

1985

Olivet Nazarene College Annual Catalog 1985-1986

Olivet Nazarene University
Olivet Nazarene University

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**1985-1986
CATALOG**

Olivet Nazarene College

Kankakee, Illinois

For Your Information Needs . . .

The Post Office address of Olivet Nazarene College is Kankakee, Illinois 60901. Mail to administrators, offices, faculty and students may be sent to this address.

The College is located in the village of Bourbonnais on the north side of Kankakee. The campus is one and a half miles southwest of Exit 315 on Interstate 57. It is at the junction of U.S. 45-52 and Illinois 102.

The telephone number of the college switchboard is 815-939-5011. Through the Centrex system our operator will redirect calls for any office or student. Calls may also be dialed directly to offices by using the numbers listed below. Administration offices are in Burke Hall or as noted below.

Inquiries to the College may be directed to:

THE PRESIDENT 939-5221

General Interests of the College

THE DEAN OF THE COLLEGE 939-5213

Undergraduate curriculum, instructional programs and graduate programs

THE ASSISTANT DEAN OF INSTRUCTION 939-5201

Student academic problems, class schedules, orientation

THE DIRECTOR OF ADMISSIONS 939-5203

Admission of freshmen and transfer students, requests for catalogs, applications for admission and other information

THE REGISTRAR 939-5201

Registration for classes, graduation requirements, transcripts of records, grades

THE DIRECTOR OF FINANCIAL AID 939-5249 Miller Hall

Applications and information on grants, loans, scholarships

THE BURSAR 939-5249 Miller Hall

Payment and arrangements of college student accounts

THE BUSINESS MANAGER 939-5240

Business of the college, purchasing, employment, staff positions.

THE DEAN OF STUDENTS 939-5333

General welfare of students, campus policies, residence halls, room assignment information, policies

THE DIRECTOR OF STUDENT ACTIVITIES 939-5230 Ludwig Center

Campus activity calendar, Ludwig Center schedule

THE DIRECTOR OF DEVELOPMENT 939-5341

Requests for services of the college such as musical groups, guest speakers, etc. to churches, districts, organizations

THE DIRECTOR OF PUBLICITY 939-5295

News, publications, special events, *The Olivet Collegian*

THE LATEST WORD 939-5000

24-hour recorded news summary about campus events

CAREER COUNSELING CENTER 939-5243

Student employment and career planning



Burke Administration Building has offices and classrooms on five floors. Academic departments include Education, Psychology, Religion, Social Sciences, Business, Languages and Literature.



1985-86 Catalog

• • • a descriptive bulletin
with explanations
of programs & courses

Olivet Nazarene College
Kankakee, Illinois 60901

Telephone 815-939-5011

LESLIE PARROTT, *President*



The Decker Quadrangle is a park-like setting between Ludwig Center in the background and Benner Library. Hundreds of students cross the Quad daily between residence halls and classrooms.



The Larsen Fine Arts Center has studios and classrooms for Music and Art Departments, and a 530-seat Kresge Auditorium.



This proposed Physical Education Center is well along in the planning stages. The college hopes to build this facility in the near future.

Finding your way in this catalog:

- 1. *Education with a Christian Purpose*** in Chapter 1, page 9
Olivet's goals, beliefs, principles, history, campus description
- 2. *Design for Educational Excellence*** in Chapter 2, page 14
Degree programs, basic requirements, majors, accreditation
- 3. *Student Life*** in Chapter 3, page 22
Student activities, organizations, residence hall policies
- 4. *Admission Requirements and Procedures*** in Chapter 4, page 29
How to apply for admission as a new or transfer student
- 5. *Financial Information*** in Chapter 5, page 36
Financing your college education: costs, scholarships, grants, loans
- 6. *Academic Regulations*** in Chapter 6, page 53
Registering for classes, scholastic and graduation requirements
- 7. *Teacher Education*** in Chapter 7, page 64
Special programs for students planning to teach
- 8. *Undergraduate Courses of Instruction*** in Chapter 8, page 73
Course descriptions, study outlines for a major, teachers in departments
- 9. *Graduate Studies*** in Chapter 9, page 167
Master's degree and advanced classes in education, religion and other fields
- 10. *Continuing Education and Institute for Church Management***, page 181
- 11. *Directory of Personnel*** in Chapter 11, page 183
People who govern, administer and teach at Olivet
Trustees, administration, committees, faculty members
- 12. *Index*** page 188
Degree and enrollment report, complete index of information
- 13. *Calendar of the School Year***
Inside back cover



Scientific research is a vital part of learning for juniors and seniors. This zoology experiment was an award winner.

Your Guide to Olivet

This catalog is your guide to the courses of study, activities and opportunities at Olivet Nazarene College.

If you will read through the Purposes of the College in Chapter 1 you will understand the reason for our course plans, majors offered, student life policies and regulations, and our personal interest in helping each student who comes to Olivet to achieve their maximum potential for Christian living. Olivet is supported by the Church of the Nazarene with close ties to the 840 congregations of Illinois, Indiana, Michigan and Wisconsin. At the same time we are ecumenical in spirit, open to serve all who wish to have an "Education with a Christian Purpose."

This Catalog contains information about the undergraduate and graduate programs, and is intended to remain in force for the period for which it is issued. However, the college reserves the right to revise information, requirements or regulations at any time. Whenever changes occur, an effort will be made to notify persons who may be affected.

The material contained in this Catalog is for information only and does not constitute a contract between the student and the college. The college reserves the right to revise policies, amend rules, alter regulations, and change financial charges at any time in accordance with the best interest of the institution. The effective date for the policies, regulations and information of this Catalog is the beginning of the Fall Semester of the school year stated.

The college publishes special bulletins about semester course offerings, time of classes, faculty, and other matters, prior to each term or semester. The college reserves the right to determine the number of students in each class or section. If an insufficient number of students enroll for a course, the college reserves the right to cancel the course, to change the time, or to provide a different teacher of any course in a given semester's class schedule. The college reserves the right to drop a major or minor field for lack of sufficient enrollment of students to guarantee a class size of ten or more in upper division classes.

Candidates for graduation are expected to meet the requirements for graduation of the catalog in force at the time of that graduation. In cases of hardship caused by curricular changes during a student's successive years of enrollment at Olivet, an appeal may be made to the Academic Standards Committee.

A student handbook is published annually by the Dean of Students and Associated Student Government. This gives more detail about campus activities, regulations and personnel policies which are pertinent to the students enrolled that year.

Olivet admits qualified students without discrimination in regard to race, creed, handicap, sex, national and ethnic origin to all the rights, privileges and activities generally accorded or made available to students at the college. It does not discriminate on the basis of race, color, creed, handicap, sex, or national and ethnic origin in administration of its educational, admissions, financial aid policies, scholarship and loan programs, athletic and other college administered programs.



Journalism students learn how to design advertising brochures and page layouts.



Yell Leaders made this Cadillac into an "O-Mobile" for home games.



Tigers have established good running games in nearly every season the past 10 years.



Tiger football team kneeling to express thanks after a winning home game without injuries.



Womens volleyball team



Safe at home! Tigers have good season at Snowbarger Park in both fall and spring.



The Tigers were undefeated in 1984-85 in basketball at Birchard Field House.



Womens' softball at Snowbarger Athletic Park. The park has three softball diamonds.



The Men's basketball team won its sixth NCCAA Title.

Matching Olivet Courses and Career Plans

Some career choices, and college majors to prepare for them, have a large number of specific course requirements. Most programs move from general foundational studies to more difficult and technical levels of understanding. The usual advice to students is to take care of required courses as early as possible, conserving electives to be used later toward achieving personal goals for advanced study and career options.

Electives from a broad range of subject matter are available, even in the General Education Requirements, which is the foundation of "liberal arts" understanding.

The intention of the Olivet faculty is to design each major to meet career plans and interests of students. Through the Interdisciplinary or General Studies majors, a wide variety of courses may be combined to match an individual's career goal which goes beyond the usual departmental plans.

Faculty members are listed with the department in which they teach, along with their educational backgrounds. An alphabetical listing of faculty is also given in the Index chapter at the back of the catalog.

The courses of study in the college are organized in several divisions. Departments in each division are listed below and on the pages beginning each division.

All these departments offer majors except Fine Arts, Music Literature, Music Theory, Library Science, Political Science and Geography. A chart of majors, minors and concentrations appears in Chapter 2.

10 — General Studies & ROTC

1. Division of Education and Psychology

- 11 — Education
- 12 — Library Science
- 13 — Psychology
- 14 — Physical Education

2. Division of Nursing — 15

3. Division of Fine Arts

- 21 — Fine Arts
- 22 — Art
- 23 — Applied Music
- 24 — Church Music
- 25 — Music Education
- 26 — Music Literature
- 27 — Music Theory

4. Division of Languages, Literature and Communication

- 32 — English Language
and Literature
- 33 — Foreign Languages
- 34 — Speech Communication

5. Division of Natural Sciences

- 41 — Natural Sciences
- 42 — Biological Sciences
- 43 — Chemistry

- 44 — Geological Sciences

- 45 — Mathematics and
Computer Science

- 46 — Physics

6. Division of Religion and Philosophy

- 51 — Biblical Literature
- 52 — Philosophy
- 53 — Christian Education
- 54 — Theology

7. Division of Social Sciences

- 61 — Social Sciences
- 62 — Business Administration
- 63 — Accounting
- 64 — Economics
- 65 — History and Political Science
- 66 — Political Science
- 67 — Home Economics
- 68 — Sociology and Anthropology
- 69 — Geography

8. Division of Graduate Studies

9. Division of Continuing Education



Students elected a Homecoming Queen and Court to reign over the alumni-student events in October 1984. From left: Elizabeth DiPietro, Diane Gilchrist, Diane Nelson, Queen Miriam Reader, and Jana Sherrow.

Headliners among chapel speakers in 1984-85



Missionary Larry Garman
from Peru



Lanson Ross from
Seattle, Washington



Anthony Campolo from
Eastern College, Penn.



Dr. Leslie Parrott, President of Olivet Nazarene College, 1975—.

1

Education With A Christian Purpose

“Education With A Christian Purpose” can be viewed from two standpoints. The Church of the Nazarene has very definite purposes in continuing support of colleges. In turn, Olivet has clearly set forth its “Statement of Purposes and Objectives” as an institution of higher learning.

Consistent with these purposes the college aspires to promote the development of a Christian academic community which involves students, professors, administrators, trustees, and staff employees. All members of this special community should agree that religion has a place in the total process and that, in fact, it must function to unify the entire curriculum. This community proceeds on the premise that Jesus Christ is the Way, the Truth, and the Life; that He, as the Great Example, calls each individual to the development and dedication of his talents in sacrificial service to his fellow man. It holds that all truth is God’s truth and, therefore, cannot be segmented into secular and non-secular departments. In order for the college to succeed it has a right to expect from all who seek membership in the college community a feeling of sympathy and common cause for this basic orientation.

“Education With A Christian Purpose” may also be viewed from the standpoint of the student and his objectives. Each student must find and identify a central core of values about which to organize his life and activities. Under the counsel and guidance of more mature members of this academic community, young people are assisted in the sifting and sorting of ideas and values of the past and present.

Statement of Faith

Olivet Nazarene College recognizes that there is a body of knowledge which is to be found in the humanities, the natural sciences, the social sciences, and theology, about the objective and subjective worlds. The data are available to Christian and non-Christian scholars alike through both the empirical and rationalistic methods. The College acknowledges a dualistic approach to knowledge as accommodating man's finiteness. In no way does a method constitute the ultimate criterion of truth; thus appeal is made to scripture, experience, reason, and tradition.

Olivet endeavors to foster a discipline of scholarship based upon these methods of observing and interpreting the facts and experiences of life, culminating in an adequate understanding of God, man, and the world. Since Olivet is an evangelical liberal arts college, applied theology is the integrating factor in the educational experience.

Theologically, the College emphasizes the theistic view of God and man as interpreted in the Arminian-Wesleyan tradition. This view of man and the world acknowledges the presence of sin and depravity within human nature and its effect on his natural state and history.

As an indication of the commitment of Olivet Nazarene College to the historic Christian position, it affirms a statement of faith which defines its doctrinal convictions as follows:

1. That there is one God — the Father, Son, and Holy Spirit.
2. That the Old Testament and the New Testament Scriptures, given by plenary inspiration, contain all truth necessary to faith and Christian living.
3. That man is born with a fallen nature and is, therefore, inclined to evil, and that continually.
4. That the finally impenitent are hopelessly and eternally lost.
5. That the atonement through Jesus Christ is for the whole human race; and that whosoever repents and believes in the Lord Jesus Christ is justified and regenerated and saved from the dominion of sin.
6. That believers are to be sanctified wholly, subsequent to regeneration, through faith in the Lord Jesus Christ.
7. That the Holy Spirit bears witness to the new birth, and also to the entire sanctification of believers.
8. That our Lord will return, the dead will be raised, and the final judgment will take place.

Statement of Objectives

Olivet Nazarene College is an institution of higher education, affiliated with the Church of the Nazarene, serving those who share her values and priorities. It seeks to communicate effectively the historical and cultural heritage and to provide opportunity for liberal arts education in a Christian academic community.

The College articulates its objectives in three distinct and clearly defined dimensions:

General Education Dimension

To provide general educational experiences with a view to developing:

- A. A knowledge of the Bible, the revealed Word of God, as the foundation of the doctrines of the Christian faith, and the basis of moral and spiritual values by which one may discipline his life; and an acquaintance with the heritage of the Christian church;
- B. Ideals of democracy and an understanding of the institutions of modern society;
- C. Habits of constructive, critical thinking and effectiveness in oral and written communication;
- D. An understanding of the nature of science and the arts and their relation to Christian philosophy;
- E. Wholesome personal habits of living according to the laws of health and physical development, including a wise use of leisure time and active participation in a well-balanced recreational program.

Academic-Professional Dimension

To provide opportunity for concentration in chosen areas of learning, including:

- A. An academic specialization equipping the individual for meaningful and productive living;
- B. Opportunities for basic and advanced preparation in several areas on Christian ministry, lay leadership, and churchmanship;
- C. Programs leading to further graduate or professional studies;
- D. Professional education in selected areas on the undergraduate and graduate levels;
- E. Appropriate two or three-year programs in specific areas.

Socio-Christian Dimension

To provide a Christian academic community atmosphere which is conducive to the implementation of the motto "An Education With A Christian Purpose" through:

- A. The development of a Christ-centered character in preparation for excellence in service and citizenship;
- B. An appreciation for the historical and theological heritage of the Christian church and the development of a sense of responsibility to the fulfillment of her mission;
- C. A commitment to the ethical ideals and standards of the Bible and the Church of the Nazarene;
- D. Active participation in social and political institutions of contemporary society;

12 College History

- E. The development of personal and social poise, firm convictions, and consideration for the rights and feelings of others;
- F. Learning how to relate the Christian faith to the problems of world concern.

History of the College

In 1907, a group of devout people in Georgetown, Illinois, who desired a distinctly Christian atmosphere for the education of their children, started an elementary school. A year later, the group purchased several acres of land three miles south of the original location, and enlarged the school to include a secondary level of education. This community became known as Olivet, Illinois, and was to later share its name with the school located there. In 1909, the school added a college of liberal arts and became known as Illinois Holiness University.

The trustees of the school soon realized the wisdom of affiliating with an established denominational group whose doctrines and standards were in agreement with the founding fathers, and in 1912 gave the college to the Church of the Nazarene. A few years later the name was changed to Olivet College. By 1939 the enrollment, college and academy, was about 300 students and the physical plant consisted of five brick structures and several frame buildings on the fourteen-acre campus.

In November 1939, the administration building which housed the classrooms, library, practice room, laboratories, offices, and chapel was destroyed by fire. After careful consideration of the expansion program necessary to the future development of the rapidly growing college, the trustees purchased the present campus in Bourbonnais, Illinois. The present name, Olivet Nazarene College, was adopted at that time.

Campus and Facilities

The campus of Olivet Nazarene College consists of one hundred sixty acres of contiguous land. The principal buildings are arranged on about fifty acres, the remainder serving as playing fields, parking, and sites for future development.

The older buildings on the campus are solid masonry construction and represent the architecture of their time. Burke Administration Building and Chapman (men's residence) Hall are of Bedford Limestone while Miller Business Center and Birchard Gymnasium are of brick, tile, and steel construction. The newer buildings, including Benner Library and Learning Resource Center, Chalfant Hall Auditorium, Williams, McClain, Nesbitt and Parrott Halls (women's residences), Hills Hall (men's residence), Reed Hall of Science, Ludwig Center, Brodien Power Plant, and Wisner Hall of Nursing are of steel, brick and stone construction with a modern functional design. The Larsen Fine Arts Center and Kresge Auditorium was opened in the fall of 1982. A new physical education center is being planned.



Benner Library and Learning Resource Center, 1975, has study areas on four floors, plus a computer center, radio station and instructional media center.

Benner Library and Learning Resource Center

The Benner Library and Learning Resource Center was constructed in 1974-75 at a cost of more than \$2 million. It combines in one structure of 80,000 square feet on four floors both the new building and the Memorial Library which was completed in 1955.

The Library now houses over 137,000 volumes, plus some 55,000 other items (government documents, maps, audio-visual materials, records, sheet music, microfilm); receives 800 periodicals. Many back issues of periodicals and the *New York Times* are on microfilm. As a depository, the library receives U.S. Government Documents on a selective basis. Photocopying, a microfilm reader-printer, and typewriters are available for student use for nominal fees. Computer searches for resources are available at cost. The music room, with an excellent collection of records and musical scores, has listening facilities including cassette tape players and stereo headphones. An instructional media center, television studio and computer center are significant features of the Benner Library.

Location and Transportation Facilities

Olivet Nazarene College is located in the village of Bourbonnais north of Kankakee, Illinois, sixty miles south of Chicago. The campus is situated on highways U.S. 45 & 52, Ill. 102, and near Ill. 50 and Interstate 57. Kankakee is served by Amtrak Rail Passenger Service, Greyhound and Trailways bus lines. Mail, telegraph, and telephone connections are made by way of Kankakee, Illinois.

The population of Kankakee County is 102,926, including 30,141 in Kankakee, 11,080 in Bradley and 13,290 in Bourbonnais.

The location gives the college many advantages. Students enrolling in Olivet Nazarene College have the opportunity of earning part of their expenses in the many factories and business places of Kankakee. The nearness of the school to Chicago lends the cultural advantages of the large city and classes make field excursions to the points of interest.



Dr. Willis E. Snowbarger, Vice President for Academic Affairs and Dean of the College.

2

Design for Educational Excellence

Olivet Nazarene College is committed to academic excellence. The college is fully accredited by the North Central Association of Colleges and Secondary Schools as a four-year bachelor's degree-granting institution. It has also been given full accreditation for its master's degree programs.

It is accredited by the National Council for the Accreditation of Teacher Education and approved by the Illinois State Department of Education as a teacher training college.

The baccalaureate degree program in Nursing is approved by the National League for Nursing, and by the Committee of Nurse Examiners of the Department of Registration and Education of the State of Illinois.

The baccalaureate degree program in Dietetics is approved by the American Dietetic Association.

Olivet is an associate member of the National Association of Schools of Music.

Olivet is a member of the American Association of Colleges for Teacher Education, American Council on Education, Midwest Association of Graduate Schools, Associated Colleges of Illinois, the Federation of Independent Illinois Colleges and Universities, the Council for Advancement and Support of Education, the Council of Independent Colleges, and the Christian College Coalition. It is a member of the Associated Colleges of the Chicago Area, with the privilege of selective use of the Argonne National Laboratories for research and educational purposes.

Olivet carries on a continuous program of self-study in the belief that improvement is a continuous process. Its faculty is competent for the duties assigned. An effort is made to bring a genuine academic challenge to every student. This is done with the conviction that the impact of Christian lives can be increased by excellence of scholarship, logical thought and effectiveness in communication. The college seeks through its curriculum, co-curricular activities, and campus citizenship to assure the priority of academic discipline and achievement.

A genuine encounter with the traditional liberal arts is felt to be the best way to assure the development of the whole person and to give balance in making the judgments required in a world of rapid change. Accordingly, Olivet Nazarene College offers the student a variety of opportunities for growth according to his aptitude and interests. These opportunities are presented through curriculum, co-curricular activities, field experiences, and the library. Teachers and counselors are ready to assist the student in planning his program, but **the student has primary responsibility for meeting requirements for graduation, licensing, certification, and graduate school admission.**

Semester Calendar and Credit Hours

The college calendar is built on two semesters of 16 weeks. The semester hour is the unit of credit at Olivet. A semester hour is equivalent to one 50-minute class period per week for a semester. It is expected that the average student will spend two hours in preparation for each period in class. In laboratory courses a two-hour period is considered the equal of one-hour recitation or lecture period. **A normal semester load is sixteen semester hours.** One hundred twenty-eight semester hours are required for graduation with the Bachelor's degree. A minimum of sixty-four semester hours is the requirement for the Associate of Arts degree. All programs feature the dimension of breadth and also the dimension of depth.

General Education Basic Requirements

In order to provide the student with a broad base of experience and knowledge in the various fields of human activity, and to carry out the general aims of Christian education as outlined in the institutional objectives, special courses have been developed to meet the needs of students in all degree curricula. In certain fields of study the student is required to select from among several courses according to his interest or plans for future study.

Courses numbered in the 100's and 200's should normally be completed during the freshman or sophomore years. General Education courses numbered 300 or above will be normally completed during the last two years of study. See *Classification, Chapter 6*. Students planning a program of Teacher Education should consult special instructions related to general education, *Catalog, Chapter 7, Teacher Education*.

General Requirements for all Bachelor's Degree Programs

| | Credit Hours |
|---|--------------|
| Group 1 — Spiritual Heritage and Insight | |
| Bib. Lit. 101—Old Testament | 3 |
| Bib. Lit. 102—New Testament | 3 |
| Theol. 201—Christian Doctrine | 3 |
| Theol. 301—The Church and Christian Living | 3 |
| Total hours | 12 |
| Group 2 — Creative Expression | |
| F.A. 101—Introduction to Fine Arts | 3 |
| Literature from the Department of English | 4 |
| Philosophy, Speech Communication, Music Literature, Literature in a Foreign Language, or additional Literature | 2-3 |
| Composition: English 102 or 103, and 104 | 6 |
| <i>*English competency must be established.</i> | |
| Total hours | 15-16 |
| Group 3 — The Natural Order | |
| Laboratory Science—Biological or Physical | 4-5 |
| **Mathematics, Computer Science or additional science | 5 |
| <i>*Competency in Mathematics must be established.</i> | |
| Total hours | 9-10 |
| Group 4 — The Individual and Social Relations | |
| **Electives from Economics, Cultural Geography, History, Political Science, Psychology or Sociology. <i>No more than 3 hours in any one discipline may apply to meet this requirement.</i> | |
| Total hours | 9 |
| Group 5 — Intercultural Understanding**** | |
| ***A. Foreign language through intermediate level | 10 |
| or | |
| B. Courses in International Relations, Foreign Culture, and Ethnic or Multi-Cultural Interaction | 6 |
| Total hours | 6-10 |
| Group 6 — Physical Health and Development | |
| Physical Education, Military Training or Health | 2 |
| <i>One hour of the two must include physical activity.</i> | |
| Total hours | 2 |
| Total hours of all Groups | 53-59 |

**Minimal competency levels have been established in the areas of English and Mathematics. It is strongly recommended that students seek to satisfy these requirements during the freshman year. Specific details in regard to determining competency are available in the Registrar's Office.*

***All students planning to teach must take 3 semester hours of Mathematics and a course in U.S. History or American Government.*

***A student continuing the study of a foreign language which he had studied in high school may accelerate toward the completion of the requirement, depending upon the high school record in that language and upon the results of a college placement examination. Students with demonstrable oral and written competence in a second language may be permitted to waive the language requirement for graduation upon petition.

****Intercultural Understanding is an attempt on the part of the College to introduce students to other cultures, both domestic and international. This general education requirement is fulfilled either through a foreign language (leading to a B.A., B.S. or Th.B. degree) or courses designated as applicable to the cultural understanding area (leading to a B.S. or Th.B. degree).

The class schedule designates two types of cultural understanding courses: (1) those concentrating primarily on domestic multi-cultural relationships, and (2) those designed to provide students with an international exposure. Students are required to select at least one course with an international approach. Students completing a Bachelor of Science Teacher Education program must also select one course with a domestic intercultural approach. No more than one course may be chosen from the department of the student's major or minor to apply to the Intercultural Understanding Requirement.

Associate of Arts Degree Requirements

Associate of Arts degree specializations are offered for Computer Science, Food Service Management, Office Administration (Secretarial Science), Practical Ministries,* Science Technology, Social Welfare and Teacher Aide. These programs can be completed in two years and the credits may apply toward the requirements for a four-year bachelor's degree.

For the Associate of Arts degree the general education requirements are:

| | Credit hours |
|---|--------------|
| Group 1 — Spiritual Heritage and Insight | 6 |
| Group 2 — Creative Expression | 11 |
| Group 3 — The Natural Order | 4-5 |
| Group 4 — The Individual and Social Relations | 6 |
| Group 5 — Intercultural Understanding | 0 |
| Group 6 — Physical Health and Development | 2 |
| Total hours required | 29-30 |

For details of courses which meet the general education requirements, see the preceding section relating to bachelor's degrees.

The Associate of Arts degree is awarded upon completion of the specific requirements of each curriculum and upon recommendation of the faculty. The following general requirements apply:

1. A minimum of 64 semester hours of credit;
2. A minimum grade point average of 2.0 ("C");
3. Completion of the General Education Requirements of 29-30 hours;
4. Completion of the specialization, including supporting courses as approved by the department.
5. The student must file an application for the degree six months prior to the expected date of graduation.

*Offered only at Salvation Army Officers Training School in Chicago. See copy later in this chapter.

General Studies Interdisciplinary Major

Most students will find a concentration of work in the departmental or divisional major adequate to their needs at the under-graduate level. *For some, the General Studies major will provide the opportunity to select from several departments courses that will contribute to their life goals.*

This major is ideal for a student whose interests lie in related fields such as art, music and literature or psychology, physical education and Christian education. It also accommodates those preparing for law or medical schools. In effect it is a functional major.

This major will consist in not less than sixty semester hours of courses related to the student's declared life objective selected from more than one division of the college. Normally, this declaration is made in connection with Application for Junior Standing at the end of the sophomore year. Application for candidacy for the degree in General Studies *must* be made to the Dean of the College at least two semesters before graduation. The applicant will present in writing a full statement of his vocational purpose and his reasons for believing that such a degree program will best meet his individual needs.

Upon receipt of the application the Dean shall appoint a committee whose function it will be to accept or reject the application, to develop a plan of studies, and to determine the degree to be awarded. Once the student has been accepted as a candidate for this major he must work very closely with his committee and may not register for, nor withdraw from, any course without prior advice and approval from the committee.

Specialization for Bachelor's Degree Programs

Before admission to junior standing the student will choose **an area of specialization as his major field of study**. By this means the student will be enabled to examine more intensely a specific field of study and thus to gain depth and a degree of competence in using and communicating this knowledge.

The college reserves the right to drop a major or minor field for lack of sufficient enrollment to guarantee a class size of ten or more in upper division courses of that field.

There are certain instances where particular combinations of majors and minors, or requirements for certification for positions of employment for graduates, may require a student to complete more than 128 semester hours.

If a student begins one specialization or major, and then changes to another, the college cannot guarantee that he will graduate without exceeding the number of 128 hours or eight semesters of work stated as the minimum requirement for graduation.

The following chart indicates the fields in which Olivet offers programs of study. The degree or degrees to which each program leads is shown in the columns headed by degrees B.A., B.S., etc. An "x" in the minors columns indicates that a minor is offered in the field. Columns headed "Teaching" indicate which fields offer a teaching major or minor.

Majors are shown in CAPITAL LETTERS.

Concentrations, options and minors are shown in lightface type.

MAJORS, Fields of Study,
Minors and Concentrations

| | Page | Bachelor of Arts — B.A. | Bachelor of Science — B.S. | Bachelor of Arts, Teaching | Bachelor of Science, Teaching | Minor | Teaching Minor | Associate of Arts |
|--|---------|-------------------------|----------------------------|----------------------------|-------------------------------|-------|----------------|-------------------|
| ACCOUNTING | 155 | X | X | | | X | | |
| ART | 96 | X | X | | | X | X | |
| BIBLICAL LITERATURE | 141 | X | | | | X | | |
| BIOLOGY | 122 | X | X | X | X | X | X | |
| BOTANY | 122 | X | X | | | X | | |
| Broadcasting | 114 | X | | | | | | |
| BUSINESS ADMINISTRATION | 151 | X | X | X | X | X | X | |
| CHEMISTRY | 127 | X | X | X | | X | X | |
| CHRISTIAN EDUCATION | 144 | X | X | | | X | | |
| Christian Ed./Church Music | 145 | X | X | | | | | |
| Church Music | 100 | X | X | | | X | | |
| Computer Science | 131 | X | X | | | | | X |
| Counseling | 82 | X | X | | | | | |
| Dietetics | 160 | X | X | | | | | |
| Earth & Space Science | 129 | | | | | | X | |
| ECONOMICS | 156 | X | X | | | X | | |
| EARLY CHILDHOOD EDUCATION | 78 | | | X | X | | | |
| Education | 78 | | | X | X | | | |
| ELEMENTARY EDUCATION | 78 | | | X | X | | | |
| ENGINEERING PHYSICS | 136 | | X | | | | | |
| ENGINEERING | 118 | X | | | | | | |
| ENGLISH | 108 | X | | X | | X | X | |
| Fashion Merchandising | 161 | X | X | | | | | |
| Finance, Business | 152 | X | X | | | | | |
| Food Science | 121 | X | X | | | | | |
| Food Service Management | 162 | | | | | | | X |
| Foods & Nutrition in Business | 160 | X | X | | | | | |
| Family Services | 161 | X | X | | | | | |
| French | 111 | | | | | X | X | |
| General Science | 117 | | | | | | X | |
| GENERAL STUDIES (Interdisciplinary) | 18 | X | X | | | | | |
| GEOLOGY | 129 | | X | | | X | | |
| German | 111 | | | | | X | X | |
| Greek | 111 | | | | | X | | |
| Health Education | 87 | | | | | | X | |
| HISTORY, POLITICAL SCIENCE | 157 | X | | X | | X | X | |
| HOME ECONOMICS | 160 | X | X | X | X | X | X | |
| Journalism | 114 | X | | | | X | | |
| Management, Business | 151 | X | X | | | | | |
| Marketing, Business | 151 | X | X | | | | | |
| MATHEMATICS | 131 | X | X | X | | X | X | |
| MEDICAL TECHNOLOGY | 120 | X | X | | | | | |
| MUSIC | 97 | X | X | X | X | X | X | |
| Music Performance | 100 | X | X | | | | | |
| NURSING | 90 | | X | | | | | |
| Nutritional Science | 121 | X | X | | | | | |
| Office Administration | 152 | X | X | | | | | X |
| PHILOSOPHY | 142 | X | | | | X | | |
| PHYSICAL EDUCATION | 85 | X | X | X | X | X | X | |
| PHYSICS | 136 | X | | X | | X | X | |
| PHYSICAL SCIENCE (Interdisciplinary) | 117 | X | X | X | X | | X | |
| Political Science | 157 | | | | | X | | |
| Pre-Law, Pre-Medicine, Pre-Physical Therapy, Pre-Medical Technology, Pre-Dental, Pre-Seminary, Pre-Engineering, etc. | 20, 119 | | | | | | | |
| Practical Ministries | 21 | | | | | | | X |
| PSYCHOLOGY | 82 | X | X | | | X | X | |
| RELIGION | 139 | X | ThB | | | X | | |
| RELIGION & PHILOSOPHY | 139 | X | | | | | | |
| ROMANCE LANGUAGES | 111 | X | | X | | | | |
| Science Technology | 119 | | | | | | | X |
| Secondary Education | 78 | | | X | X | | | |
| SOCIAL JUSTICE | 164 | X | X | | | X | | |
| SOCIAL SCIENCE | 150 | X | | X | | | X | |
| SOCIAL WELFARE | 164 | X | X | | | X | | X |
| SOCIOLOGY | 164 | X | | | | X | | |
| Spanish | 111 | | | | | X | X | |
| SPEECH COMMUNICATION | 113 | X | | | | X | X | |
| Teacher Aide | 78 | | | | | | | X |
| THEOLOGY | 146 | X | ThB | | | X | | |
| ZOOLOGY | 122 | X | X | | | X | | |

Preparation for Graduate Study and Pre-Professional Study Programs

Olivet has developed degree programs which adequately prepare students for graduate and professional study in a variety of fields. Preparation for these fields may be in majors related to the professional study. Detailed programs outlining these studies at Olivet may be obtained by writing to the Director of Admissions or to the Chairman of the appropriate department.

Fields for which Olivet offers pre-professional preparation include Engineering, Law, Medicine, Medical Technology, Ministry, Physical Therapy, Psychology and Social Work.

The student planning to pursue one of the pre-professional programs is advised to ask the Registrar for assignment to the appropriate pre-professional faculty adviser. He should also become acquainted with the requirements for admission to the professional school in which he plans to study after completing his work at Olivet.

A Pre-Health Science Committee has been established in the Division of Natural Sciences to guide students in pre-medicine, pre-dentistry, pre-pharmacy, pre-optometry, pre-osteopathy, pre-physicians assistant or pre-veterinary fields.

Faculty advisers for other professional programs involve the following departments: medical technology — pre-medical technology adviser, physical therapy — physical education department, engineering — physics department; social work — sociology department; psychology and counseling — psychology department, law — social science, business or English departments; ministry — religion department; other health fields — natural science division.

Requirements for Graduation — Bachelor's Degree

Baccalaureate degrees offered by the College are awarded upon completion of the appropriate curriculum and upon recommendation of the faculty. The following general requirements apply to Bachelor of Arts, Bachelor of Science, and Bachelor of Theology degrees:

1. A minimum of 128 semester hours of credit;
2. A minimum grade point average of 2.0 ("C");
3. A minimum of 40 hours of credit in upper division courses (courses numbered 300 or above);
4. Completion of the General Education studies of 53-59 hours;
5. Completion of a major program of study as specified by the division or department in which the major is taken or the major in General Studies described above;
6. Completion of supporting courses as specified by the major department;
7. The student taking the Bachelor of Arts degree must offer foreign language under the Group V general education requirement. This requirement may be satisfied by earning credit in the intermediate level of the language.
8. The student must file an application for the degree six months prior to

the expected date of graduation.

9. Students may participate in commencement as August graduates only if they are within 12 hours of graduation by the end of the spring semester, and have filed a plan of studies with the Registrar by April 1.

Ministerial Training for the Older Student

For those men who have felt their call to the ministry later in life and who are not able to take the full degree program, Olivet Nazarene College offers the Ministerial Certificate Program.

This program is described in the *Catalog* under the Division of Religion and Philosophy.

Cooperative Arrangement with Salvation Army School for Officers' Training

A cooperative arrangement has been worked out between Olivet Nazarene College and the Salvation Army School for Officers' Training in Chicago, Illinois, which permits recommended cadets to earn the Associate of Arts degree from Olivet.

The School for Officers' Training cadets must meet the General Education Requirements for the Associate degree (described earlier in this chapter). Olivet faculty teach twenty-four hours of such course work at the School in Chicago.

The specialization for this program is "Practical Ministries." The faculty of the School for Officers' Training teach these courses which are, in turn, presented to Olivet in transfer. The total credits presented must equal the requirements of the Associate of Arts degree as described above.

All the faculty and cadets of the School for Officers' Training are on the Olivet campus at least once per year to share in group activities, cultural events, and sessions designed to stimulate those with mutual interests. English composition classes visit the Olivet library. One graduate course per year is taught in Chicago, and other efforts are made to assist the School for Officers' Training to upgrade curriculum, instruction and library holdings.

Graduate Studies

The Master of Arts degree is offered with a major in Religion. The Master of Arts in Education degree is offered with majors in Elementary Education and Secondary Education. The Master of Church Management degree may be earned through courses in the Institute for Church Management. These programs are described in Chapters 9 and 10 of this *Catalog*.



Students and alumni enjoyed a western barbecue in Snowbarger Park during Homecoming 1984, along with music by the Speer Family.

3

Student Life

Under the direction of the Dean of Students, a concerted effort is made to encourage the development of the whole person. Through numerous organized activities, an extensive system of counseling and guidance, a supportive residence hall program, and a well developed system of student government, each student is encouraged to develop his full potential as a well integrated person.

Counseling Services

Olivet provides an effective counseling program which is designed to make capable and mature advisers available to students. Each entering freshman is assigned to a faculty member who serves as his academic adviser until he has chosen his major, at which time he will be assigned to his major academic adviser.

Besides the assigned adviser the student is encouraged to utilize all of the counseling services on the campus including the Dean of Students, Director of Student Activities, Registrar, Career Center Director, counselors-at-large, resident directors, student resident assistants, the administrative personnel of the college, faculty, and all area pastors.

Orientation for New Students

Olivet Nazarene College seeks to assist in every way possible in orienting its students to the academic, social and religious life of the college. The orientation program consists of a variety of activities including testing, student-parent orientation sessions, and other transitional activities especially designed to assist the student in launching a successful college career.

Special orientation programs for incoming students are sponsored by the college during the summer months prior to the opening of school. At this time each new student will visit the campus with his parents, participate in the pre-registration testing program, be pre-registered for the first semester of academic work, and make his housing selection. Also, at this time, orientation sessions will be held with the parents to acquaint them with the college program.

The total orientation program is coordinated with the freshman advising program of the institution and is under the direction of the Assistant Dean of Instruction.

Resident Campus Philosophy

The administration of regulations regarding student conduct is one of the responsibilities of the Dean of Students. Resident students are immediately responsible to the Resident Directors of the various residence halls. These persons are responsible to the President of the college through the Dean of Students and his staff for personal guidance to all students. Non-resident students are urged to seek the advice and counsel of the counselors-at-large, the Dean of Students, and the Director of Student Activities.

Policies and practices of conduct are formulated with the development of spiritual and scholastic attainments in mind. The college reserves the right to request withdrawal on the part of any student who manifests an inability or disinclination to conform to the policies.

Students are expected to observe the policies of conduct and have agreed to do so by making initial application for admission as a student. Policies of the college are in effect as long as a student is enrolled, both on campus and off, and during vacation periods. Failure to keep this commitment may result in a variety of disciplinary actions, including suspension from college. The policies of conduct are as follows:

1. All students are encouraged to be faithful in their attendance at the services of the church and are urged to support its total program.
2. Students must abstain from the use of coarse or obscene language, profanity, tobacco, alcoholic beverages, narcotics, all forms of hallucinogenic drugs, gambling, immoral conduct, including sexual promiscuity, as well as other forms of personal dishonesty.
3. Students will refrain from all forms of hazing and/or conduct which is destructive or that disrupts the normal campus activities.
4. Students must refrain from attending the commercial motion picture theater, dances, secular rock concerts, discotheques, night clubs, taverns, and similar forms of entertainment.
5. The possession of firearms or the possession or use of explosives of any kind is forbidden.

24 Student Government

6. Normally it is undesirable for students to be married during the academic school year. Under certain circumstances, permission may be granted by the Dean of Students for students to marry during the regular student vacation periods and between semesters. In such cases it is necessary for the student to secure the counsel of the Dean of Students of the college at least 30 days prior to the date of the marriage.
7. The following is a statement for guidance in the matters of dress: Olivet Nazarene College has traditionally sought Christian simplicity, modesty, and propriety in dress and appearance. (See *Student Handbook*.) This is in harmony with the Bible and the guidelines of numerous other evangelical denominations. All students are expected to comply with the spirit as well as the letter of the General Rules of the supporting denomination in these matters.
8. Non-married students under the age of 23 who are enrolled for seven hours or more per semester are required to live in college residence halls and participate in the board plan. Students enrolled for six or fewer hours or who are 23 years of age or older and who desire to live in college residence halls may do so subject to permission from the Dean of Students.
Non-married students in summer school under the age of 23 and enrolled for a total of six or more hours (including Sessions I, II and III) are required to live in college residence halls while enrolled and participate in the board plan.
Married and previously married students are not permitted to live in the residence halls.
9. All over-night or extended campus leaves are subject to the Dean of Students. Freshman students are urged to limit their week-end passes to one per month.
10. Arrangements for single students living off the campus must be approved by the Dean of Students.
11. Students who room at private residences off campus are under the same policies as students who room in the residence halls.
12. Students are expected to observe all rules and regulations governing the various residence halls. (See *Student Handbook*.)
13. The school has the authority to formulate reasonable rules at any time in keeping with the standards and purposes of the institution.
14. The college is not liable for loss of students' personal property through theft, fire or other perils. Students are encouraged to inquire if their possessions are covered under their parents' homeowners insurance policy or other policies if desired.

Student Government and Organizations

The governing unit of the Associated Students of Olivet Nazarene college is the Student Council. This body is responsible, along with the college administrative officers, to foster wholesome social and religious activities on the campus. Under its jurisdiction the various academic and social clubs carry out these various activities. These clubs include: Business Club, Home Economics Club, Honor Society, Association of International Students, Music Educators, Pre-Med Club, Pre-Law Club, Philosophical Society, Psychology Club, Sigma Tau

Delta (English Club), Nurses Christian Fellowship, Varsity Club, Association of Physics and Engineering Students, Kappa Delta Pi (National Education Honor Society), Phi Alpha Theta (History Club), Art Club, Secretarial Club, Drama Club, Circle K, Ministerial Fellowship, Ski Club, Fellowship of Christian Athletes, and Concerned Christians in Action.

Publications — The students at Olivet sponsor two publications: the *Aurora*, the college annual; and the *Glimmerglass*, the college newspaper. These publications provide a channel for literary and artistic expression and add greatly to the campus environment. In addition to these *The Olivet Collegian*, a monthly newspaper, is published by the college administration to communicate with students, parents, alumni, prospective students, and friends of the college.

Residence Associations — The Women's Residence and the Men's Residence Associations are designed to assist in meeting the various needs of students in residence. They endeavor to foster Christian fellowship, promote the fundamentals of etiquette, and carry on a continuous program of residence hall life improvement. Among some of the activities sponsored by these organizations are: parent weekends, coronation of homecoming queen, prayer meetings, open house, spiritual counseling, basketball tournaments, and various inter-residence hall activities. The W.R.A. and M.R.A. Councils consist of an elected president and representatives from each of the four academic classes. Membership is voluntary and open to all students living in residence halls.

Religious Organizations — The Spiritual Life Organization sponsors several religious programs and activities for the purpose of fostering a vital spiritual life on the campus and providing opportunities for Christian service.

The Spiritual Life Committee assumes responsibility for two on-campus programs, namely, Campus Ministries, which meets informally for Christian worship and fellowship; and Sunrise which is designed to maintain a missionary emphasis among the students and provide fellowship for students preparing for the mission field.

Under the direction of Campus Ministries, Prayer Band meets each Tuesday and Thursday evenings in the Kelley Prayer Chapel. These services provide a time for students to minister to students through the Word of God, song, and testimony.

Spiritual Life also directs three off-campus ministries which include: Life-Song Ministries, Disciples in Drama, and Evangelists. These organizations are responsible for the off-campus ministries of the students involving services and witnessing programs in the churches on the educational region, and ministry in the local Kankakee area through service organizations and rest homes. Every student is invited to participate in Spiritual Life activities with on-campus or off-campus interests.

Musical Organizations — The Department of Music provides students with various opportunities for musical expression through its choral and instrumental organizations. Those groups are: Brass Consort, Choral Union, College Orchestra, Concert Band, Stage Band, Concert Singers, Handbell Choir, Orpheus Choir, Treble Clef Choir and Viking Male Chorus. These ensembles, together with College-sponsored quartets and trios, provide vitally important performance experience and represent Olivet locally and on the educational region.

Intercollegiate Athletics — Olivet is a member of the National Association of Intercollegiate Athletics and The National Christian College Athletic Association, and participates in intercollegiate athletic competition. Intercollegiate sports for men include baseball, basketball, football, golf, soccer, tennis,

track and wrestling. Intercollegiate sports for women include basketball, softball, tennis and volleyball.

Intercollegiate athletics are considered an integral part of the total educational program of the college. Students who participate must be registered for a minimum of 12 hours and must meet all the eligibility requirements set forth by the college and the N.A.I.A. Through Christian athletics the students find unique opportunities for witnessing for Christ.

Intramural Athletics — Olivet Nazarene College sponsors a well balanced program of intramural athletics for men and women. The intramural program is under the direction of the Department of Physical Education.

The purpose of the intramural program is to provide a variety of activities for men, women and co-ed competition. All students, faculty and staff members will have opportunity to fill their leisure time with wholesome fun in individual and group activities. Active participation in intramurals can fulfill the need for exercise and social development.

Participation in intramural activities contributes to the physical, mental, social and spiritual health of the individual. Bodily exercise, making decisions through thinking, group participation, and using good sportsmanship are building blocks for good health.

Birchard Field house includes basketball and volleyball courts, swimming pool, weight-lifting room and indoor track. Snowbarger Athletic Park has 30 acres of outdoor fields for football, soccer, baseball, softball, one mile jogging track, track and field facilities, and tennis courts.

Chapel/Convocation

The Chapel/Convocation at Olivet is a major factor in the development of a strong sense of community and common cause among students, faculty and administrators on the campus. This activity is the occasion for the Olivet community to develop and clarify values and priorities, to share in musical and dramatic performances, and to find guidance relating to the crucial choices to be made in the college years.

As a Christian college, the shared moral values and devotional themes are very effective in achieving the above purposes and in confirming the ethical teachings learned by most of the students in their homes.

Chapel/Convocation programs are normally held Tuesday, Wednesday and Thursday mornings in Chalfant Auditorium from 9:35 to 10:15. During revival time and other special occasions, convocation chapel is also held on Monday and Friday, and lasts about one hour.

A. Resident Student Attendance Requirements: All resident students are required to attend all chapel/convocation services with the exception of four per semester. The absences are for personal convenience (illness, car trouble, doctors' appointments, personal problems, travel, job interviews, etc.) and must be used wisely. Only after a student exceeds this number of absences permitted will excuses for illness or other extreme circumstances be considered by the Chapel Attendance Director.

B. Non-Resident Student Attendance Requirements: Attendance by non-resident students in chapel/convocation programs is subject to the following regulations: (a) full-time students (those carrying 12 or more hours) are required to attend all chapel services; (b) attendance of part-time students may be adjusted in proportion to the academic load.

Academic Load

12 or more hours
 9-11 hours
 6-8 hours
 5 hours or less

Attendance Requirements

3 days a week plus convocations
 2 days a week plus convocations
 1 day a week plus convocations
 Optional attendance

For all non-resident students who are taking more than five semester hours of classes, the number of absences a semester will be set as the number of weekly required chapels plus one. For example, a student who attends two days a week plus convocations would be allowed three absences a semester.

C. Students with conflicts affecting Chapel/Convocation program attendance may petition to be exempt. Petitions for exemption from Chapel/Convocation attendance may be made in the Chapel Office in Chalfant Hall at the beginning of each semester. Exemptions may be granted for field trips, required field experiences, and similar cultural and educational activities related to course requirements. Conflicts with employment and other hardship situations will be considered upon receipt of a petition. Persons with bona fide creedal differences shall be eligible for exemption. All petitions are acted on by the Chapel/Convocation Committee.

D. A student registered for more than five hours a semester will not be excused for all Chapel/Convocation programs for more than two consecutive semesters.



Officers of the Associated Student Government received instructions from Saga Food Service directors on hosting a faculty/staff family dinner in Ludwig Center.

E. Attendance is checked daily. Absences beyond the provisions of above regulations will be subject to serious disciplinary action. Three tardinesses for a student shall count as one absence.

F. Additional policies on Chapel/Convocations are published in the Student Handbook and bulletins distributed by the chapel office at the beginning of each semester.

Artist, Lecture and Culture Series

Olivet has many distinguished guest speakers and groups throughout the school year sponsored by several lecture series and the Artist/Lecture Series. These programs are open to students, faculty and staff and the community.

The Artist/Lecture Series is funded in part through student activity fees and in part by admission fees. These programs have included eminent speakers like Dr. E. Stanley Jones, Dr. Wernher Von Braun, Coach John Wooden; Anthony Campolo, musical groups including the United States Navy Band, the Walden String Quartet, the Roger Wagner Chorale, Chicago Symphony Orchestra String Players, Nordic Choir from Luther College, D. Paul and Janet Thomas, Salvation Army Chicago Staff Band, Robert Hale and Dean Wilder, plus other programs of discussion, films, music and drama.

The Staley Distinguished Christian Scholar Series has been given by Dr. Carl F.H. Henry, Dr. Oswald Hoffman, Dr. Ponder Gilliland, Dr. John Allan Knight, Dr. Stanley D. Walters and Dr. Myron Augsburg. It is sponsored by the Staley Foundation.

The Dickerson Chapel Series is sponsored each year by Rev. and Mrs. Harry W. Dickerson. Speakers have included Dr. Earl Lee, Mr. Bob Benson, Dr. Leslie Parrott, and Rev. Reuben Welch.

Motor Vehicles

All motor vehicles owned or operated by students must display an official college vehicle permit. All students must register their vehicles with the Traffic and Security Department at the time of registration or within 48 hours after securing a vehicle. Failure to register a vehicle according to these regulations may result in a fine and denial of permit for the remainder of the semester. Single students living under college supervision, either in a college residence or in college-approved private homes, are advised not to maintain vehicles for personal use while enrolled at Olivet.

It is within the discretion of the college administration to disqualify any applicant or revoke a permit by reason of any one or all four of the following: (1) academic deficiency, being interpreted as falling below a grade point average of 1.75 in any grade period; (2) financial incapacity, or the inability to satisfactorily discharge financial obligations while enrolled as a student; (3) social infractions, particularly those involving the use of vehicles; and (4) excessive traffic violations. A vehicle permit may be revoked at any time by the Traffic and Security Department if it is considered that the student is misusing his vehicle privilege. A copy of Olivet's vehicle traffic and parking regulations is available to each student from the Traffic and Security office. Olivet Nazarene College is not responsible for any damage, fire, theft, vandalism, etc. to any student's vehicle.

Vehicles used for student transportation shall be fully covered by liability and property damage insurance at all times.



This view of the main floor hallway of Burke Administration shows the entrances to the Registrar's Office at the left and Admissions Office at the right.

4

Admissions Policies and Procedures

Olivet Nazarene College desires to enroll students who are genuinely interested in an "Education with a Christian Purpose." We believe that Jesus Christ should be the foundation and center of every individual's life. As a life can never be complete unless it finds fulfillment in Jesus Christ, neither is knowledge complete unless it is related to eternal values. The influence at Olivet is intended to be profitable as well as conducive to the highest standards of living.

Admission is based on the composite picture afforded by the student's transcripts, test scores, personal recommendations and the student's statement of interests. The Admissions Board is responsible for final action on each application.

Admission to the College does not constitute admission to any or all programs of specialization. Reasonable specific requirements are indicated under the program listing.

Olivet admits qualified students without discrimination in regard to race, creed, handicap, sex, national and ethnic origin to all the rights, privileges and activities generally accorded or made available to students at the college. It does not discriminate on the basis of race, color, creed, handicap, sex, or national and ethnic origin in administration of its educational, admissions, financial aid policies, scholarship and loan programs, athletic and other college administered programs.

Interviews And Campus Visits

Students who are considering Olivet Nazarene College are encouraged to visit the campus to meet admissions counselors, faculty and students. While a personal interview is not required, it may be very helpful in creating a college program and career plan for the student.

Visits to the campus are especially valuable on days when classes are in session. Special days are held in October for larger group tours and conferences.

Individuals, families and church groups who desire a special visit to the college are invited to write or phone the Admissions Office for advance arrangements and appointments.

Counselors from the Admissions Office are available for assistance in campus visits, church services, informational programs in churches, personal correspondence and phone consultation about admission to Olivet.

Two Aspects of Admission To Olivet

Admission to Olivet Nazarene College involves both academic achievement and a commitment to a lifestyle consistent with the objectives and values of Olivet.

In signing the application for admission, a person agrees to abide by the ethical and moral principles of the college as well as to apply himself to the task of learning and mental development.

Personal Preparation for Admission

Olivet Nazarene College is concerned about the development of the whole person. The atmosphere prevalent on the campus is conducive for Christian growth and maturity.

It should be considered a privilege to become an "Olivetian." All students are expected to reflect a lifestyle that is exemplary of Olivet ideals.

As a community of students, teachers and administrators, the personnel of the college are interdependent for successful intellectual, social and spiritual growth.

The person who is accepted as a student at Olivet understands the purpose and philosophies of the college, and agrees to adhere to the rules of conduct in signing the application for admission. Policies and practices of conduct are outlined in Chapter Three of this catalog, in the application for admission, and the Student Handbook.

High School Preparation

The student expecting to enroll at Olivet should concentrate on a college preparatory program in high school. A student with a good background in English and literature, mathematics, natural science and social science should be able to learn effectively and succeed in college studies.

The student must have a minimum of fifteen units of academic work at an accredited high school in grades nine through twelve, with a grade average of "C" or above in college preparatory subjects. The student must rank in the upper three-fourths of the graduating class.

The high school work shall include a major (three units) in English, an additional major and one minor in fields of Foreign Language, Mathematics, Natural Science, or Social Science. A major is three units of work, a minor is two units.

In certain cases where the applicant ranks in the upper half of the high school graduating class, specific major and minor requirements may be waived.

Subjects acceptable in these fields include:

English: history and appreciation of literature, composition and grammar, oral composition when given as part of a basic English course.

Foreign Language: a major is three units, two of which must be in the same language; a minor is two units in the same language.

Mathematics: algebra, plane, solid and spherical geometry; trigonometry; and advanced mathematics (calculus). General mathematics may be accepted if the content of the course is essentially the same as algebra and geometry.

Natural Science: biology, botany, zoology, chemistry, physics, general science, physiology, astronomy and geology. The major must include at least two units chosen from biology, botany, zoology, chemistry or physics. The minor must have at least one unit from the same subjects.

Social Science: history, civics, economics, commercial or economic geography, sociology. The major must have at least one unit of history.

A student with academic deficiencies may be required to take remedial courses in reading and English. The Essentials of Learning program or the General Educational Development examination (GED) offer alternative methods of admission to college.

Admission Tests

The American College Test (ACT) is required of all students before final admission as freshmen. It is recommended that the test be taken in the senior year or the last semester of the junior year in high school. Information about testing locations and dates may be obtained from the high school guidance office. Olivet's ACT code number is 1112. When the test is taken, request should be made that the scores be sent to Olivet Nazarene College.

If the test was taken previously, and the scores were not sent to Olivet, write ACT in Iowa City, Iowa with the request for scores to be sent to Olivet. Notation of the scores on the high school transcript is not sufficient. The ACT is also given at Olivet during the summer during freshman orientations for students unable to take the test in their home area.

If a student has a low grade average in high school, then the ACT results are used to consider the chance of success in college.

General Educational Development Examination (GED)

Mature persons above high school age (19 and over) who have not completed high school but who have had other opportunities to develop educationally may be academically qualified for admission to Olivet by the successful completion of the General Educational Development examination. Information on testing locations and dates may be obtained from the Admissions office and most high schools.

Essentials of Learning Program

Some applicants who completed high school, but whose prior academic achievement is poor, may be admitted provisionally through the Essentials of Learning Program if other information in recommendations and personal statements indicate serious purpose and a desire to succeed.

Students with less than a “C” average in the college preparatory subjects whose deficiencies are confirmed by a weak score on the ACT (American College Test) are required to participate in the Essentials of Learning program before even provisional admission to the college is granted.

This program begins prior to the beginning of the fall semester. By the improvement of study skills, thorough orientation to college, and special counseling, the student is given assistance to remove the deficiencies and to correct the patterns of previous attempts at academic work.

Judgments as to the quality of the work in this program are made by the Director and the faculty of that program on each student. Campus citizenship and character will be judged by the Dean of Students.

Upon full participation and successful completion of this program, the student is admitted to college. Two semester hours of credit for GS 101 will be entered on the transcript of the student after successful completion of a semester of college work at Olivet.

Doubtful cases will be decided by the Admissions Board. If the student does not complete this course satisfactorily, admission to the college will be denied.

Transfer Students Admission

Students with previous college work in other accredited colleges may seek admission to advanced standing at Olivet. The regular admissions process is to be completed. Attendance at all other post-secondary institutions must be reported, and official transcripts of all this previous college work attempted must be sent, on the request of the student, directly from the college or university to Olivet.

Advanced standing will be determined from these credentials, subject to these conditions:

1. An endorsement of good standing from the institution last attended. Students on either academic or disciplinary probation are not accepted at Olivet Nazarene College.
2. The cumulative grade point average will be considered in determining admission. Students must show a grade average of “C” or above. Students with a cumulative GPA below “C” may be denied admission or admitted under probationary status as defined under “Academic Regulations.” Any course with a grade of D or F will not be accepted as transfer credit, but will be calculated in the grade point average for determining admission, financial aid and athletic eligibility.
3. A maximum of 68 semester hours will be accepted from two-year colleges as transfer credit at Olivet.
4. Courses accepted for transfer must be comparable to those taught at Olivet in meeting requirements for General Education, majors and minors, and course prerequisites.
5. Financial aid for transfer students: Please refer to Chapter 6, “Academic Regulations,” in the section headed “Satisfactory Progress Requirement for Financial Aid.”

Unclassified Students

Guest students admitted to a degree program in another institution may enroll in Olivet Nazarene College by presenting a letter of authorization from the Dean or Registrar of the other college, along with an application for admission.

Special students may enroll in courses not leading to degrees at Olivet Nazarene College by showing evidence of their ability to profit from the course.

Guest and Special Students must indicate their acceptance of the ideals of the college in signing the application for admission. See the section on “Unclassified Students” in the chapter on Academic Regulations.

Readmission

A student whose enrollment has been interrupted for one regular semester or more at Olivet Nazarene College must be approved for readmission before registering for courses again. An Application for Readmission form may be obtained from the Admissions Office and filed there with the requested recommendations.

If the student has registered at another college since attending Olivet, a transcript for that work must be sent from that institution to the Admissions Office.

Not enrolling in a summer term or January term is not considered an interruption of studies which necessitates readmission.

Admissions Procedures for Freshmen

1. Complete the Application for Admission secured from the Admissions Office. Detailed instructions are included on the form. This may be filed in the senior year, or in the last semester of the junior year.
2. Request that the high school send a transcript of at least six semesters of work to Olivet Nazarene College, along with a recommendation from the guidance office or principal. A form is included in the admissions packet to be given to the high school. Request must also be made that the high school send the final transcript after the student has graduated from high school.
3. The student should request that the two certificates of recommendation be sent by those who fill them out directly to the Admissions Office at Olivet.
4. Arrange with the high school guidance office to take the American College Test (ACT) when convenient. This is usually taken in the spring of the junior year or during the senior year. ACT has at least five national testing dates at area centers.

Scores from the Scholastic Aptitude Test (SAT) may be considered toward your admission, but the ACT must be taken at some time before enrollment.

5. Send the housing deposit of \$30.00 with the application for admission if the student will be living in college residence halls. See the chapter on Student Life for residence hall living requirements. Campus housing cannot be assigned until this deposit is submitted and the student is accepted for admission. It is refundable up to 30 days prior to the start of a semester in case the student does not enroll. Rooms are assigned by the Associate Dean of Students.
6. Apply for financial aid, if needed, as early as possible in the year of enrolling in college. The Financial Aid Form (FAF) is generally available in November or December for the following school year. See the chapter on Finances and Financial Aid for more details.

34 Admission

7. Upon receipt of the completed application, transcripts, and recommendation forms, action will be taken by the Admissions Office. Notification of acceptance, contingent upon actual graduation from high school and receipt of the final transcript, will be sent to the student by mail as soon as possible.
8. With notification of admission, a health questionnaire will be sent for completion. This must be filed with the college before registering for classes. It is kept in the college health office for reference by the college nurse and physician if needed.
9. A small personal photograph will be needed for the admissions file. The usual high school senior portraits (wallet size) are commonly sent.
10. New students and their parents are invited to the campus for a brief orientation period during the summer preceding the first enrollment in Olivet, or at the beginning of the spring semester. These sessions provide a more extensive introduction to the college, and opportunity to select courses and housing. Invitations will be sent by the Admissions Office to accepted students who have completed all the above steps in the admissions process. The earliest accepted students are invited to the first orientation. The orientation includes some additional diagnostic testing. Freshmen are admitted to classes only after completing the freshman testing and orientation program.
11. The final date for filing an application for admission and transcript is: August 1 for the Fall Semester, January 1 for the Spring Semester, and June 1 for the Summer Session.

Admissions Process for Transfer Students

The same basic steps are involved for transfer students as for new freshmen, except that the high school transcript need not be sent. Transcripts of all other college work must be sent to Olivet for evaluation of transfer credit. Scores of the American College Test are desirable, but not required of transfer students.



Geology students study special maps to locate types of rock formations.

Waivers and Advanced Placement by Examination

The College Level Examination Program (CLEP) may be used to establish credit and advanced standing for students who have attended nonaccredited colleges or institutes. It may be used to establish up to 21 hours of General Education credit. Incoming freshmen ranking in the upper ten percent of their graduating class and in the upper decile on their ACT composite score may take the CLEP and Olivet English test to establish advanced standing and credit up to 24 hours.

Credit will be granted only on scores at or above the 50th percentile. Credit validated by use of the CLEP does not apply toward a major or minor unless so specified by that department. The student will be billed a \$15 fee per hour for such credit. In all cases, full academic credit for such work will not be granted until the student has completed successfully at least one semester of work at Olivet Nazarene College. Waiver of required freshman courses will allow the student who has done superior work in high school to take more elective courses.

Students accepting credit in any of the CLEP tests should not take equivalent courses at Olivet or elsewhere, since credit cannot be given twice for the same courses.

The CLEP tests can be used to substitute for these equivalent courses at Olivet:

| CLEP | Credits | ONC Course |
|-----------------|---------|--------------------------|
| Natural Science | | |
| Biological | 3 hours | Biology 101 |
| Physical | 3 hours | Natural Science 102 |
| Mathematics | 3 hours | Mathematics 101 |
| Humanities | | |
| Fine Arts | 3 hours | Fine Arts 101 |
| Literature | 3 hours | English 109, 110, or 111 |
| Social Science | | |
| Social Science | 3 hours | Sociology 121 |
| History | 3 hours | History 101 |

A student must receive credit in both biological and physical science in order for Olivet's "laboratory science" requirement to be satisfied.

CLEP credit does not apply toward the intercultural understanding General Education Requirement.

Nursing, mathematics or science majors may be required to actually take the science and mathematics courses rather than accept CLEP credit. Consult with academic adviser or registrar before accepting the CLEP credit.

Three hours of English Composition credit (English 103) will be granted to students who pass an institutionally administered writing sample. Effective Fall 1984, this writing sample will be used instead of the English CLEP test.



This huge Tiger emblem welcomed alumni and students to the Homecoming football game at Ward Field. Classes and clubs compete each year for honors in creating decorations.

Financial Information

The education costs for Olivet are among the lowest for Midwestern colleges, and are made possible by generous support from the Nazarene districts which comprise Olivet's educational region.

Olivet's business office, financial aid and admissions counselors are prepared to aid students and parents in planning to meet the cost of their educational experience. Several plans or "packages" of financial aid are available to fit individual needs through a combination of payment plans, scholarships, grants, loans and employment.

Financing the College

Olivet Nazarene College is an independent liberal arts college related to the Church of the Nazarene. The 840 congregations in Illinois, Indiana, Michigan and Wisconsin have individual educational budgets which are paid annually to the college. Last year, funds received from these church budgets came to more than 1 million dollars.

Gifts from many alumni, friends, businesses, and foundations along with the church support enable the college to offer its high quality education at a tuition charge well below other independent liberal arts colleges in the area. A large number of corporate and foundation gifts are received each year, both in direct gifts and through matching gift programs with company employees.

Tuition, room, board, and fees from students make up a large portion of the operating budget of the college, unlike the state universities and community colleges which receive the major portion of operating funds from tax revenues.

Current Cash Gifts and Securities

Many friends of the college make cash gifts to the college throughout the year. Some gifts are for specific purposes, while others are for general needs. Gifts of securities and properties which have significantly increased in value are not only an asset to the college, but may also be beneficial for the donor in consideration of capital gains and income tax obligations.

All gifts to Olivet Nazarene College are eligible for consideration as income tax deductions.

Scholarship Gifts

Gifts for student scholarships may be made in two ways. 1. Gifts for scholarships may be used directly for student aid during the school year. 2. A capital fund is maintained through the Olivet Foundation, invested so that only the earnings of the gifts are awarded in scholarships each year. Gifts of \$2,000 or more may be designated as a scholarship fund named in honor or memory of the donor or a selected individual.

Recipients of these scholarships are determined by the college Scholarship and Financial Aid Committee.

ONC Fellows Program

The ONC Fellows program was begun in 1977 to help provide money for the unfunded honor scholarships. An ONC Fellow is a person who has made a commitment of \$1,000 to the college. There is an annual dinner for the ONC Fellows, and a news letter from the president. The counsel and help of these persons is esteemed highly.

Bequests, Gift Annuities and Life Income Agreements

The ONC foundation has a number of programs designed to assist people who wish to invest a portion of their life savings in education at Olivet. The Director of Development or Business Manager of the college is prepared to give suggestions and counsel, together with a donor's attorney.

General Expenses

The following is an itemized estimate of the cost of a regular course for one semester:

- 1. Registration Fee \$10.00
- 2. General Fee..... \$65.00
- (Required of all students enrolled for seven hours or more, includes student activity,* medical, health insurance, and mail handling fees)
- 3. Tuition charges for 12 to 18 hours \$1,996.00

For a student taking a full load of 18 hours, this is equivalent to a tuition charge of \$112.00 per hour. For more than 18 hours, the charge is \$102.00 per additional hour. For students taking a part-time load of less than 12 hours in the fall or spring semester, the tuition charge is \$166.00 per hour.

Applied Music Tuition Additional

Private (piano, voice, organ and orchestral instruments for one lesson per week per semester)** \$84.00

Class (piano, voice, and orchestral instruments per course) \$42.00

- 4. Room and Board (Board cafeteria style) average cost*** \$1,137.00

Total Tuition, Fees, Room and Board (Semester) \$3,208.00

Total Tuition, Fees, Room and Board for a school year (two semesters) \$6,416.00

*The Student Body, acting on the recommendation of the Student Council, establishes a general student activities fee from year to year. This fee takes care of the Aurora (the college yearbook), the student newspaper, artist series, and absorbs the ordinary class dues. The assessment voted by the student body is \$35.00 per semester. Occasionally the student body will vote a small fee for a special project. The above is intended to be a general guide and not an exact statement.

**Students paying literary tuition for five semester hours or less will be charged \$86.00 for private lessons.

***Every student living in college housing will be assessed a \$100 security deposit against vandalism in the residence halls. This will be added to the school bill when the student enrolls. The deposit is to cover the cost of any vandalism in public or general areas of the residence halls during the entire school year. Damage in a residence hall for which responsibility cannot be determined will be charged on a pro rata basis to all residents during that semester. The deposit will be refunded after the student vacates college housing, following all provisions of proper checkout procedures, except that it may be offset against any indebtedness to the college. Persons known to be responsible for vandalism will be charged the full amount personally. Such amounts will not then be charged to the general security fund. Damage in a student's room is chargeable to the residents of that room, or to the person(s) known to have caused the damage.

Laboratory and Special Fees

| | |
|--|---------|
| ACT Assessment (American College Test)* | \$10.00 |
| Art Classes | 8.00 |
| Audit (per credit hour) | 15.00 |
| Automobile Registration and parking per school year | |
| Resident Student | 25.00 |
| Non-Resident Student | 10.00 |
| Ceramics Class | 15.00 |
| Change in registration after first week | 5.00 |
| CLEP (College Level Examination Program) per unit test* | 16.00 |
| CLEP (Credit Per Hour) | 15.00 |
| Developmental Reading Program** | 25.00 |
| English as a Foreign Language** | 25.00 |
| Graduation Fee | 25.00 |
| Home Management Residence Option | 25.00 |
| ID card replacement charge | 10.00 |
| Introduction to Fine Arts | 10.00 |
| Instrument Rental | 10.00 |
| Key Deposit for Room | 5.00 |
| Laboratory Fee, per course per semester | |
| (Science, Nursing, Computer, Home Economics, Physical Education) | 30.00 |
| Late Registration (one day late) | 10.00 |
| Second day and after, per day additional | 2.00 |
| Late Tests | 2.00 |
| Liability Insurance for Nurses, per year | 10.50 |
| Lockers, per semester | 2.00 |
| NLN Comprehensive Exam* | |
| Sophomore | 7.50 |
| Junior | 5.00 |
| Senior | 5.00 |
| Office Practice or Office Machines Fee | 15.00 |
| Photography Class | 25.00 |
| Practice Room, one hour daily, per semester | |
| Organ | 25.00 |
| All others | 15.00 |
| Proficiency Examination | 10.00 |
| Proficiency Credit, per hour | 15.00 |
| Reading Laboratory | 5.00 |
| Returned Check Fee | 5.00 |
| Room Deposit | 30.00 |
| Scuba Class (P.E. 116) Fee | 35.00 |
| Security/Vandalism Deposit for Residence Hall students | 100.00 |
| Secretarial Procedures Fee | 10.00 |
| Student Teaching, per hour | 11.00 |
| Swimming Class, per semester | 3.00 |
| Thesis Binding Fee | 10.00 |
| Typing and Transcription Classes | 10.00 |
| Zero Credit | 15.00 |

*Subject to increases by the publisher of the tests.

**This price is \$50 to those not enrolled as a student at the college.

Methods of Payment

1. All charges are due and payable at the time of Registration at the beginning of each semester or term. Checks should be made payable to Olivet Nazarene College. It is helpful if the student's name and ONC ID number is written on the check.

An itemized statement will be sent to the student's campus mailbox, or parent, as specified by the student on a printed form at the time of registration.

2. Acceptable methods of payment are as follows:

A. Payment in full.

B. For students and parents desiring to pay educational expenses in monthly installments, a low cost deferred payment program is available through Educational Funds, Inc. This plan of payment begins July 1. For information, write EFI, 2700 Sanders Road, Prospect Heights, Illinois 60070.

C. We accept Visa.

3. Any financial arrangements between the college and its students will be binding only if such agreement is in printed or written form. Any arrangements concerning finances should be made with the Bursar.

4. Books and supplies must be paid for at the bookstore. We accept Visa. Books and supplies may not be charged to the Student Account unless the student account has a credit balance.

5. A 1.5% interest charge is added each month to the balance at the beginning of the month, less any payments during the month. Interest is normally charged on the last business day of the month. Because of scheduling problems, however, the charge may sometimes be made several days earlier. *To avoid an interest charge for a particular month, payments should be received by the Bursar's Office by the 23rd of that month.*

No degree will be conferred or credits transferred until all accounts are paid in full. When clearing a student account for graduation or to receive a transcript, payment must be made by cashier's check, certified check, or personal money order if immediate clearance is needed. If payment is made by personal check, a waiting period of 45 days is necessary for the check to clear the bank.

Any student who has become delinquent through failure to make payment or proper arrangements may be disenrolled until such matters are satisfactorily taken care of with the Bursar's Office.

5. For further information concerning payment of student accounts, contact the Student Accounts Office in Miller Business Center, 939-5249.

Room and Board

All students living in the residence halls are required to participate in the board plan. In case of withdrawal from the school the board will be refunded on a pro rata basis.

1. Rooms are rented for full semesters only. Students vacating a room during the first half of a semester will be charged a minimum of one-half the semester rate. No refunds will be made for withdrawal during the second half.

2. A student is required to pay a room deposit of \$30.00 when applying for admission. This room deposit is held until the student vacates college housing, and will be refunded provided proper check-out procedure is followed and the premises are left in satisfactory condition. The deposit will be refunded if the application for admission is not approved, or if a refund is requested before

August 1, or no later than one month before the beginning of the semester for which the reservation was made.

Students who have been enrolled at the college and are leaving may request refund of the room deposit through their resident director. The refund will be mailed within 30 days if the student's account is clear.

3. A deposit of \$5.00 will be required for each room key.

4. The College is not responsible for personal property in case of theft, damage or loss by fire. In many cases a family homeowner's insurance policy will provide some coverage for a student's property "away from home."

5. Students are required to pay for any damage, other than ordinary usage, to room, furniture or fixtures, including telephone equipment, during their occupancy of the room.

6. Every student living in college housing will be assessed a \$100 security deposit against vandalism in the residence halls. This will be added to the school bill when the student enrolls. The deposit is to cover the cost of any vandalism in public or general areas of the residence halls during the entire school year. Damage in a residence hall for which responsibility cannot be determined will be charged on a pro rata basis to all residents during the semester. The deposit will be refunded after the student vacates college housing, following all provisions of proper checkout procedures, except that it may be offset against any indebtedness to the college. Persons known to be responsible for vandalism will be charged the full amount personally. Such amounts will not then be charged to the general security fund. Damage in a student's room is chargeable to the residents of that room, or to the person(s) known to have caused the damage.

Withdrawals and Course Drops

If a student officially withdraws from school, or drops his course load below 12 hours before the end of the semester, he is entitled to the following financial adjustments:

1. Fees: no refunds.
2. Tuition: 1st week — 90%; 2nd week — 80%; 3rd week — 60%; 4th week — 40%; 5th week — 20%; 6th week — none.
3. Room: minimum of one-half if withdrawal is completed in the first half of the semester. No refund will be made during the second half.
4. Board: pro rata adjustment on the unused portion as of the end of the week the student completes withdrawal at the Bursar's Office and surrenders his meal pass.

The effective date of any withdrawal or course drop will be the date such withdrawal or drop is officially requested. The official withdrawal date is the date established by the student with the Office of the Dean of the College. The official course drop date is the date the drop form is returned to the Registrar. Please refer also to Chapter 6 on Academic Regulations: Change of Registration, Withdrawal from School, and Class Attendance Requirements.

Adjustments are computed as of the end of the week in which the student makes official withdrawal. Protracted absence from class does not constitute a withdrawal, and will be treated as a failure.

No refund will be made in the case of students who are asked to leave school because of violation of rules, or as a result of disciplinary action taken by the Student Personnel Committee, except board, which would be as outlined above.

Student Financial Aids

At Olivet Nazarene College we believe that every qualified student should have an opportunity for a college education in a congenial Christian atmosphere. Our financial aid program is designed to help students achieve these goals.

The purpose of financial aid has been interpreted variously through the years. Financial aid has been used to (1) aid needy students, (2) attract those with demonstrated academic achievement or athletic skills, and (3) strengthen the mission of the institution.

The comprehensive financial aid program includes scholarships, grants, loans and employment opportunities.

Need-based student aid is designed to provide monetary assistance to students who, without financial aid, would be unable to pursue a college degree. Educational institutions do not have unlimited funds to provide access and choice, and to ensure retention and academic success for all students facing economic barriers to post-secondary education. Because of the limitation of funds, and given the social value of awarding aid based on need, the demonstrated financial need has become the primary criterion in the awarding of financial aid.

Need-based financial aid is dependent on an equitable and consistent system of measuring need. Although the U.S. Department of Education has approved various need analysis systems for awarding federal financial aid, all of them are based on common assumptions.

The need analysis process is designed to provide objective measurements of a family's ability to pay for higher education costs and related student expenses.

Key Assumptions Underlying Need-based Student Aid

1. Parents have the primary obligation to finance the education of their dependent children. The responsibility shifts to society only after the family's resources have been determined to be insufficient to meet the costs of education.

2. A measurement of a family's financial strength must take into account that family's income and assets, as well as its expenses and liabilities. Other factors, such as extraordinary expenses or the size of the family, may affect a family's ability to pay, and therefore must be considered.

3. To be consistent and equitable, the need analysis system must be an objective measurement of the family's present financial strength. It does not evaluate what the family used to be or what it may be in the future. It does not make value judgments about the spending patterns of families. It can only assess, as consistently as possible, the objective data of "what is."

4. The student also has a responsibility to help finance a college education. The student is the direct beneficiary of the education, and should normally share in the responsibility to pay for it. Student contributions are derived from expected summer savings, earnings during the academic year, and other assets.

The Financial Aid Director has offices in the Miller Business Center. These financial aid counselors and the admissions office counselors are readily prepared to advise students and parents concerning application for financial aids. Correspondence regarding financial aid should be addressed to The Director of Financial Aid, Olivet Nazarene College, Kankakee, Illinois 60901.

How To Apply For Aid

It is the responsibility of the student and parents to complete all the necessary application forms and procedures.

All students seeking financial assistance by way of loans and grants must first have the parents or guardians complete the **Financial Aid Form**. A student's qualification for assistance rests largely on the basis of a satisfactory grade point average together with an analysis of the financial need.

A student's eligibility for financial aid is affected by his/her academic standing. A student whose cumulative grade point average falls below that required for *satisfactory progress for financial aid* as defined in Chapter 6 must either earn a 1.7 GPA in the next semester of attendance or raise the cumulative grade point average to the minimum level in order to maintain eligibility for financial aid which is administered by the Olivet Financial Aid Office. Refer to Chapter 6 on Academic Regulations for additional information on Retention, Eligibility, and Satisfactory Progress.

The College Scholarship Service is utilized to determine the financial need from the Financial Aid Form.

When it is determined the student qualifies for a grant, the grant is awarded on a non-repayable basis. Loans are awarded on the basis of repayment, usually after graduation or termination of studies.

The application to Olivet for financial aid and the Financial Aid Form should be filed in the year the student plans to enroll, and annually thereafter for continuing financial aid. Since the Financial Aid Form requires IRS information from the immediate past year, the form should be filed not earlier than January 1, and preferably before March 1, since the earlier applicants will receive priority consideration. Applications for aid for a new freshman would normally be filed in the spring of the senior year in high school, anticipating enrollment at Olivet in the fall semester.

Applications for financial aid will be accepted at any time after the above dates, and processed as soon as possible, as long as funds for awards are available.

Awards of financial aid, including college-based loan, grant and scholarship funds, will be made only to students who have been accepted for admission to the college by the Admissions Office.

The **Financial Aid Form** may be secured from the high school principal or guidance counselor, or from the Director of Financial Aid, Olivet Nazarene College, Kankakee, Illinois 60901. After completion of this form, send it to the College Scholarship Service. On the Financial Aid Form, request that the Financial Need Analysis Report be sent to Olivet.

Scholarships

Scholarships are awards offered on the basis of academic ability, special talents, or the personal interest of donors. These awards carry no obligation for repayment.

A number of scholarship awards are made available each year by Olivet

Nazarene College. *The policy of the college is to award only one college-sponsored scholarship per person per year. The scholarships at Olivet can never exceed the direct cost or generate a credit balance.* This policy does not exclude additional scholarships or assistance from other sources.

Olivet Scholar Award. A student who graduates from an accredited high school (public or private) with a perfect Grade Point Average (that is, all A's or 4.0) may qualify for the Olivet Scholar Award.

A limited number of these scholarships will be awarded by the Scholarship Committee. The amount of this scholarship is equal to one-half of the tuition charge, and may be applied to direct student cost provided the student is carrying a full-time load of courses. Consideration will be given to the student's scores on achievement tests such as the American College Test or the Scholastic Aptitude Test.

The scholarship may be continued for up to four years of undergraduate work provided the student maintains a grade point average of 3.6 or better each year.

Honor Scholarships: The Olivet College Honor Scholarship is a conditional award of \$2,000 for students admitted to the college who rank in the top 5% of their high school graduating class or the top 5% of national ACT composite scores (28 or above). No formal application is needed for incoming freshmen, as the award is made on the basis of the high school transcript and/or ACT score. The high school transcript must show the rank in class.

For full time students, credit on student account in the amount of \$500 will be awarded for the first year, half each semester, and each succeeding year for a maximum of four years, providing the student maintains a grade average of B+ or better (3.35).

The Olivet Nazarene College President's Scholarship is a conditional award of \$1,000 for students admitted to the college who rank in the top 10% of their high school graduating class or in the top 10% of national ACT composite scores (26-27). No formal application is needed for incoming freshmen, as the award is made on the basis of the high school transcript and/or ACT score. The high school transcript must show the rank in class.

For full time students, credit on student account in the amount of \$250 will be awarded for the first year, half each semester, and each succeeding year to a maximum of four years, providing the student maintains a grade average of B (3.00)

Transfer students will be considered for the **Honor and President's scholarships** on the same basis as continuing Olivet students. Application forms may be secured from the Director of Admissions.

Students who are awarded the Olivet Scholar Award, Honor or President's Scholarship at Olivet who do not maintain the required grade point average for a school year to repeat that scholarship award in a subsequent year may be offered the next lower level of scholarship for which the student qualifies according to the grade point average earned.

Divisional Scholarships: A number of \$100 scholarships are available to freshmen who do not qualify for the Honor or President's scholarships but who show a very high proficiency in a particular field of study. In the Division of Fine Arts (Music Department), interested students should send an audition tape or plan a live audition on campus. In other divisions of the college, especially

high scores on tests or other evidences of superior standing will be considered. Application forms may be secured from the Director of Admissions.

Graduate Scholarship in Religion. To encourage students to pursue graduate study in religion at Olivet, any student who is taking graduate level courses in religion for graduate credit will receive a scholarship of one-half the cost of tuition for the graduate religion courses.

District Scholarships: The Nazarene Youth International organizations of ten districts of the Central Educational Region, Church of the Nazarene, offer several scholarships each to students from their district who attend Olivet Nazarene College. Conditions under which these scholarships are granted may be obtained by corresponding with the District N.Y.I. presidents. The current number and size of the scholarships offered are as follows:

Chicago Central: One award of \$500, five awards of \$100 for Quizzing. *Illinois*: Four awards of \$250. *Northwestern Illinois*: Two awards for Quizzing: one of \$150 and one of \$100. *Indianapolis*: Two awards of \$200. *North-eastern Indiana*: Amounts determined annually. *Northwest Indiana*: One award of \$200, two awards of \$150. *Southwest Indiana*: One award of \$300 for Quizzing. *Eastern Michigan*: \$400 General award, \$400 Ministerial award and \$200 Quizzing award. *Michigan*: Amounts determined annually. *Wisconsin*: \$100 for Quizzing.

The Olivet Nazarene College Prize for Bible Knowledge (Bible Quizzing): Olivet Nazarene College awards an annual prize of \$100 in tuition credit to the Nazarene high school student on each of the districts of the Central Educational Zone who best demonstrates his knowledge of an assigned portion of the Bible, provided the District will add an equal or greater amount to the prize. Some District Scholarships above are designated by the districts to match this award. The student is nominated by the district N.Y.I. Council.

Church Sponsored Scholarships: Several congregations of the Church of the Nazarene encourage young persons from their congregation to enroll in Olivet Nazarene College by offering general aid to all who enroll. While the amount and terms of these awards vary, and the conditions should be investigated with the pastor of the local church, the programs of the following churches have been called to the attention of the college and are probably illustrative of many more such aid programs:

Bluffton First, Indiana: \$100 per semester
 Bourbonnais, College Church, Illinois: \$150 for first semester freshmen
 Decatur Faries Parkway, Illinois: \$100 for first semester freshmen
 Flint Central, Michigan: \$100 per semester
 Galesburg First, Illinois: \$75 per semester for all students
 Lansing First, Michigan: Amounts determined annually
 Lansing Woodview, Michigan: \$100 per semester for first year students
 Marseilles, Illinois: \$100 for first semester freshmen
 Mason First, Michigan: \$400 per semester for all students
 Muncie Southside, Indiana: \$350 per semester to all fulltime students who are members of the church
 New Albany Eastside, Indiana: \$200 for first year students
 Roxana, Illinois: \$500 per semester for ministerial students,
 \$200 per semester for all other students
 Saginaw First, Michigan: \$100 per semester for all students

The following scholarships are awarded to continuing full-time upperclass students at Olivet, and are awarded in a special ceremony in chapel in May. Applications for these scholarships may be filed by Olivet students about the middle of the spring semester. The dollar amount listed at the end of each scholarship is the capital fund. Scholarships are awarded from the earnings of this fund.

Associated Students Scholarship: established by the students of Olivet to assist their fellow students and is awarded to a worthy and needy student serving on the A.S.G. Council. \$3,875.

Bean, Calvin and Lenore, Scholarship: for sophomores, juniors, and seniors preparing for the ministry. \$2,000.

Bearinger, Clayton and Ada, Scholarship: for worthy and needy students. \$10,000.

Beck, Earl, Scholarship: for worthy and needy students with a business major. \$4,000.

Beckman, Arthur, Scholarship: unrestricted and available to help worthy and needy students. \$4,000.

Benner, Merl M. and Elma, Scholarship: available to a graduate student in the Department of Religion. The award is on the basis of scholarship and need. \$5,000.

Berry, Marion Messenger, Scholarship: for worthy and needy music students. \$2,000.

Biedenharn, Joe H., Scholarship: established by Joe H. Biedenharn in 1978 to grant \$200 annually to a deserving student majoring in art. \$2,000.

Bon, David and Carol, Scholarship: for worthy and needy students. \$4,800.

Brandenberg, William, Scholarship: established through the will of Mr. Brandenberg to give aid to nursing students. \$175,000.

Campbell, D. Ray, Scholarship: provided by the will of D. Ray Campbell for ministerial or business majors. \$13,000.

Carmichael, Mayme, Scholarship: made available by Mrs. Mayme Carmichael. Any Olivet student who is a music major is eligible. Selection is made by the music faculty, and is based on musical proficiency and need. \$2,700.

Carmichael, Vernal, Scholarship: established in memory of Dr. Vernal Carmichael. The award will be granted each year to an outstanding student of junior standing majoring in business administration. \$3,500.

Chenoweth, Robert R. and Arlene J., Scholarship: for full-time worthy and needy students. \$5,000.

Churchill, James and Verda, Scholarship: for worthy and needy students. \$2,000.

Clark, Blanche S., Scholarship: provided by the will of Blanche S. Clark, is for worthy and needy students. \$4,800.

Class of 1961 Scholarship: for worthy and needy students. \$2,300.

Class of 1984 Scholarship: provided by the Seniors of the Class of 1984, is to be awarded on the basis of need to a student who will be a senior during the year he/she receives this scholarship. Preference will be given to an heir of the Class of 1984. \$4,100.

Culp Family Scholarship: the earnings of this fund are to be used to help worthy and needy students. \$3,000.

Demaray, Coral and Harriet, Scholarship: given by Dr. and Mrs. Demaray and is to be awarded to worthy and needy students majoring in Biblical Literature. \$3,100.

Deming, Harley Fred, Scholarship: provided by the will of Mr. Deming and is for worthy and needy students. \$2,600.

Farmer, Howard and Adda, Scholarship: established in 1975 for worthy and needy students. \$32,000.

Fry, Jerry, Scholarship: established in honor of Marion Fry and is for worthy and needy students. \$8,000.

Green, William and Mabel, Scholarship: given in memory of Mr. and Mrs. Green and is to be awarded to worthy and needy students. \$15,000.

Grimsley, Nellie L., Scholarship: to be used for students in preparation for definite overseas missionary service. \$2,600.

Hale-Wilder Scholarship: provided by Robert Hale, New York City Opera Co., and Dean Wilder, Director of Vocal Instruction, William Jewell College. It is available to voice majors by audition before the voice faculty and the chairman of the Department of Music. \$4,500.

Harper, A.K. and Beatrice, Scholarship: established in 1959 by A. K. Harper because of his concern for needy students who are preparing for the ministry. \$15,700.

Helm, Elmira M., Scholarship: made available through the will of Elmira M. Helm. Income is available each year to worthy Nazarene students from Huntington County, Indiana. administered by trustees residing in Huntington, Indiana, and applications are made through Huntington First Church of the Nazarene. \$7,500.

Hilgendorf, Penny L., Scholarship: given by family and friends as a memorial for Penny, a student at Olivet a few months in the fall of 1981. It is for worthy and needy students. \$2,500.

Hinkle, Elsie, Scholarship: available to help worthy and needy students in the Education Department. \$23,500.

Hollingsworth, Art and Bea Scholarship: available to a low or middle income ministerial student, male or female, beginning with the sophomore year and continuing through graduation (not to exceed three years with the same student). \$10,000.

Hopkins, Russel G., Scholarship: established by Mrs. Russel G. Hopkins and Dr. Harlow Hopkins for music students who major on an orchestral instrument. \$5,000.

48 Scholarships

Howe, Katherine Ruth, Scholarship: established by Miss Kathryn Ruth Howe because of her concern for needy students who are preparing for teaching on the elementary school level. \$2,500.

Huffman, Larry K. and Dana T., Scholarship: provided by the Huffman's to help worthy and needy students. \$2,000.

Indianapolis, Indiana, First Nazarene Scholarship: provided by Indianapolis First church to give scholarship assistance to students from the church. \$2,000.

Jacobs, Stan, Scholarship: established in 1975 to be used for worthy students with special need. \$3,000.

Johnson, Alfred and Kathleen, Scholarship: established by Mr. and Mrs. Johnson for a worthy and needy male student in a medical related area (other than nursing). \$2,750.

Jones, Ira, Scholarship: given by Mr. Jones to be awarded to worthy and needy students. \$2,700.

Julius, Clarene E. and Ruth Maxine, Scholarship: established through the will of William L. Julius in honor of his deceased wife and daughter. Scholarships are awarded on the basis of scholarship and need. \$7,000.

Kale, William H. Jr. and Naomi Ruth, Scholarship: provided in honor of Mr. and Mrs. Kale by their children. The award is to be given to a junior or senior majoring in communications who has at least a 3.0 college average prior to the award, and is to be based on financial need. \$7,400.

Kelley, Selden Dee, Scholarship: given by a fellow minister and friend and is to be awarded to worthy and needy students. \$2,400.

Kranich, Wanda Mae, Scholarship: given by her husband for students majoring in a keyboard instrument. Not more than three-fourths of the earnings are to be used as scholarship grants annually during the first twenty-five years. (2009) \$4,000.

Larsen, Naomi, Scholarship: established by friends of Mrs. Larsen in recognition of her distinguished service to Olivet. Any music student who is a music major is eligible. Selection is made by the music faculty, and is based on musical proficiency and need. \$3,600.

Latimer, Anna, Scholarship: given by the family of Mrs. Latimer and is awarded to worthy and needy students. \$10,900.

MacDonald, Robert, Scholarship: established by Robert MacDonald to provide scholarship funds for needy ministerial students. \$43,500.

Martinson, Milton and Myrna, Scholarship: established through the wills of Milton and Myrna Martinson. Awards are on the basis of scholarship and need. \$3,500.

Mason, Michigan, First Nazarene Scholarship: provided by Mason First Church to give scholarship assistance to students from the church. \$4,000.

Minor, Malvin and Christine, Scholarship: established by Albin and Marian Ludas in memory of her parents for worthy and needy students. \$3,000.

Mitten Scholarship: available to qualified juniors and seniors who need help in order to complete their programs in business and economics. \$5,700.

Moore, Clarence T. and Jennie K., Scholarship: To be granted to full-time worthy and needy students. \$15,000.

Mueller, Ethel, Scholarship: left by Mrs. Mueller in a trust and has been set up in perpetuity, a similar amount of funds available annually, to be used for aid and assistance in furthering the education of such protestant student or students as the managing officials of Olivet Nazarene College deem most worthy and needful of such aid and assistance. These funds shall be used to further advance education or training to students that are not only needful of such help, but have also shown by their character, ability and accomplishment the possibility of outstanding advancements in their particular field of endeavor. \$21,000.

Peffer, Paul E. and Ruth O., Scholarship: The fund provided by Mr. and Mrs. Peffer is for worthy and needy students majoring in business. \$2,250.

Phillips, Marjorie L. McCoy and Harold E., Scholarship: given in memory of W.D. and Grace McCoy for worthy and needy students. \$5,000.

Plummer, Chester, Scholarship: for ministerial students, with preference for those planning to be evangelists. \$2,000.

Reed Scholarship: established by alumni, faculty and staff in honor of Dr. and Mrs. Harold W. Reed to provide scholarship funds for needy ministerial students. \$41,000.

Reed Graduate Scholarship: established by Dr. and Mrs. Harold W. Reed to support a scholarship for graduating seniors in religion who pursue graduate work in religion at Olivet. \$7,900.

Reynolds, Phil, Scholarship: for worthy and needy students. \$2,500.

Seymour, Indiana, First Nazarene Scholarship: provided by Seymour First Church to give scholarship assistance to students from the church. \$2,000.

Shaffer, Sandy Jo, Scholarship: given for a business major of junior or senior standing that shows the potential and dedication to be successful in both the business and Christian community. \$1,500 annually.

Sommer, Steven C., Scholarship: available to help worthy and needy students involved in social or community service. \$5,400.

Steinke, Lester L., Scholarship: given by Mrs. Lois Thomas in memory of her brother. The award is to be given to a student who does not qualify for any other scholarship and who has an intense desire to receive an education. He or she may be a freshman or upper class person, with preference being given to the freshman. Ambition, rather than scholastic achievement, is to be the criteria. \$2,000.

Stevenson Scholarship Fund: provided by L. Stevenson for worthy students in nursing, male or female. \$10,000.

Stewart, Virgie, Scholarship: established by the faculty and staff ladies of Olivet in memory of Mrs. Virgie Stewart. An award will be made each year to a student of junior standing with a major in modern languages. \$3,500.

Thornton, Clarence and Georgia, Scholarship: for ministerial students from Wisconsin, with preference to a married student. \$2,000.

Watseka Friends Church Scholarship: provided by Clara Honeywell Canady and her brother Howard Herbert Honeywell, members of the Watseka Friends Church 1921-1981, and is for worthy and needy students. \$2,000.

White, S.S., Scholarship: established by family and friends to provide scholarship funds for upper class students majoring in theology. \$3,500.

Whittredge, Fern, Scholarship: unrestricted and available to help worthy and needy students. \$2,900.

Williams, Mike and Dee, Scholarship: provided by Mr. and Mrs. Williams is available to all worthy and needy students from Wisconsin. \$4,500.

Wisner, Gerett, Scholarship: made possible by Mr. and Mrs. Gerett Wisner for the purpose of assisting juniors and seniors in the Division of Nursing Education. \$20,000.

Zimmerman, Iris Eileen, Scholarship: provided in the will of Mrs. Zimmerman for worthy and needy students. \$3,000.

Three scholarship funds are available through the Department of Education Services, Church of the Nazarene:

The Howard H. Hamlin, M.D. Scholarship: awarded on the basis of need to students attending Nazarene institutions. The student must be studying for the ministry and maintain satisfactory academic standing. Application is made through the Olivet Financial Aid Office to Education Services.

The International Students Scholarship Fund: is made available by Widmeyer, Yeats. It is awarded on the basis of need to students from mission fields. Application is made through the Olivet Financial Aid Office to Education Services. Funds are applied to tuition only.

The General Superintendent Scholarship Fund makes \$500 scholarship awards to students upon recommendation of the president. Based on financial need. The student must be enrolled full time. Priority is given to students preparing for full-time ministry. Application is made to the president of the college.

Grants-In-Aid

Pell Grants, formerly known as “Basic Grants,” are provided by the Department of Health, Education and Welfare of the U.S. Government to all students who qualify on the basis of need. The Financial Aid Form application for the Basic Grant may be secured from Olivet Nazarene College or from any high school. The awards in 1985-86 will probably range from \$250 to \$2,100.

Supplemental Educational Opportunity Grant (SEOG) may be given to students with exceptionally high need above the amount they receive through the Basic Grant. The SEOG is awarded through the college from funds allocated to the school by the federal government. Each award is based on the analysis report of the Financial Aid Form in addition to the Basic Grant application.

Illinois State Scholarship Commission Monetary Award: (ISSC) The State of Illinois provides financial assistance to all residents of the state who show a need for college assistance on an annual application. This grant may cover *tuition and fees to a maximum of \$2,400 a year*. The application (Financial Aid Form) is available at Olivet or any Illinois high school. The award amounts are contingent upon legislative action each year.

Other State Grants: Residents outside the State of Illinois should inquire into the availability of state grants for college education which may be applied toward their education at Olivet.

College Work Study: (CWSP) Campus work through the College Work-Study Program is available to students who qualify by way of the Financial Aid Form. An eligible student could earn up to a maximum of \$1,500 per academic year. This would require an average of 15 hours of work per week.

Loan Funds

National Direct Student Loans (NDSL): Olivet Nazarene College participates in the loan program sponsored by the federal government. A maximum of \$6,000 in 4 years of undergraduate study may be awarded. A Financial Aid Form must be submitted for evaluation of need by the College Scholarship Service. Forms and instructions are available through the college.

United Student Aid Funds: Bank loans are available to qualified students, up to \$2,500 a year or a combined total of \$12,500 for undergraduate education. Repayments begin the first day of the 7th month after termination or completion of undergraduate work (whichever is sooner). The Federal Government assumes interest obligations during the time of school attendance plus six months succeeding termination of graduation (whichever is sooner). At the termination of this six month period, the borrower assumes interest responsibility at a low interest rate on any outstanding balance.

Guaranteed Student Loans (GSL): Most states have either a Guaranteed Loan Program or a Federal Insured Loan Program. Whichever is the case, each program operates alike as far as the student borrower is concerned. Both programs also are similar in detail to the United Student Aid Fund program. A maximum of \$2,500 a year and \$12,500 maximum during the time required to achieve an undergraduate study may be borrowed in this program.

Student Employment

The college career center office serves students and potential employers with referrals and job requests for both campus and community employment. Our students have earned a high reputation for reliable service in the Kankakee business community.

Part-time employment is available primarily for those who need to earn expense money for personal needs. Types of jobs include secretaries, office workers, janitors, food service, typists, paper graders, receptionists, chapel checkers, store clerks, cashiers, and other miscellaneous types of work. In most cases, campus jobs require at least two successive hours free from classes on a daily basis.

Although a large number of students work during the regular school year, the college does not recommend that freshmen endeavor to work during the first semester.

Approximately 700 students have employment in campus jobs during the school year. Priority for campus employment is given to those who qualify for College Work Study aid.

Any on-campus student employment is considered financial aid. Students with the highest estimated financial need as determined by the College Scholarship Service from the Financial Aid Form will be given first opportunity for any available positions. This includes both College Work Study and non-College Work Study positions.

Financial Assistance for Veterans

To assist students who qualify for benefits from the Veteran's Administration, Olivet has a counselor in the Financial Aids office who specializes in these programs.



Prof. Leonard Anderson, Business Administration professor at Olivet since 1950, is also a CPA.



Microbiology classes include study of the growth of bacteria and other minute organisms.



The Computer Science students work with a variety of microcomputers as well as terminals connected to the ONC mini-computer in the Benner Library.

6

Academic Regulations

Olivet's academic regulations constitute a readable map for student, counselor, professor and general reader. Each member of the academic community should familiarize himself with the directions for it is the official guide to each of the educational destinations offered by the College.

The liberal arts program offers every student, whatever his particular interest or vocational intention, an education built on a steady foundation of studies in a variety of subjects. This leads to a mature level of lifelong learning which surpasses limited training for a narrowly defined vocational field that may become obsolete in a few years.

Career planning is strongly encouraged through counseling with faculty members and the professional staff of the Career Center.

The General Education Requirements provide a foundation of study in all the divisions of the college which may be helpful to a student selecting or confirming a career decision.

Registration

All students eligible to register (students enrolled in the preceding regular session and new or re-entering students who have completed application and have been accepted) will be supplied by the Registrar with directions for registration. Students are advised by members of the faculty and must file properly approved study lists with the Registrar during the registration period. Pre-registration service is provided by the Registrar's Office. Registrations not completed by the close of the listed registration days (see calendar) will require a fee of \$10.00 to cover the additional expenses of late registration procedure. An additional late fee of \$2.00 per day will be charged beginning the second day after registration day.

A student will not be permitted to register for any course including directed study and special topics after the first two weeks of the semester without the written approval of the Dean of the College. A faculty member may determine an earlier closing date for a particular course.

No student will be permitted to register for any course if, in the judgment of the instructor in charge, he lacks sufficient preparation to undertake the work. An instructor may, with the approval of the Dean of the College, drop from a class any student who shows marked delinquency in attendance, who neglects his work, or who proves incompetent to pursue the work of the course.

The normal student load is sixteen hours of class work in a week. No student will be permitted to register for more than eighteen hours, inclusive of physical education, without the special permission of the Committee on Academic Standards. An extra charge is made for each hour or fraction of an hour taken in excess of the eighteen-hour maximum load.

It is required of freshmen, and recommended for all students, that they take either two courses after 12:30 p.m. or one course meeting after 2:30 p.m. This applies only to students carrying 10 or more hours.

Outside Employment: Students carrying a considerable load of outside work must reduce their school program accordingly. The following schedule is a guide to counselors and students:

Semester Class Load In Relation to Grade Point Average:

| Effective hours of outside employment | On Retention | Up to 2.5 | Up to 3.0 | 3.0 or over |
|--|--------------|-----------|-----------|-------------|
| Under 15 hours | 14 | Normal | Normal | Normal |
| 15-20 hours | 12 | Normal | Normal | Normal |
| 21-25 hours | 10 | 14 | Normal | Normal |
| 26-30 hours | 8 | 12 | 14 | Normal |
| 31-35 hours | 6 | 10 | 12 | Normal |
| 35-45 hours | 1 course | 8 | 10 | Normal |

Change of Registration: A student may drop a course or change his program during the first calendar week of a semester without charge. After that there will be a charge of \$5.00 for each schedule change processed. All changes in registration are made through the Registrar's office, with approval by the Dean of the College, the student's adviser and the faculty members whose classes are involved.

A student may withdraw from a full-semester course on or before the second Friday following the distribution of mid-term grades. Refer to the College Calendar in this catalog for the final dates to drop "Block" classes. Tuition refunds are made only in accordance with the policies stated in Chapter 5 on Financial Information.

Exceptions for the final date for dropping classes may be granted in cases of serious illness or other extenuating circumstances which, in the opinion of the Dean of the College, warrant leniency. Failure to attend classes does not constitute withdrawal from the course.

Withdrawal from College: If a student desires to withdraw from all of his courses he should start the withdrawal process at the office of the Dean of the College. This process is the reverse of registration and is necessary to clear the academic and financial records. See Chapter 5 on Financial Information for policies on refunds of tuition and fees.

Classification of Students

College students are classified according to the total number of hours for which they have credit and the number of honor points they have earned. A student's honor points must at least equal twice the credit hours to meet classification requirements.

The requirements for classification as a candidate for a degree on the basis of hours and honor points are as follows:

Freshman standing — Must have met all entrance requirements and be registered as a candidate for a degree.

Sophomore standing — 25 hours and at least 50 honor points.

Junior standing — 58 hours and at least 116 honor points; completion of freshman general education courses as follows: English, 6 hours; social science, 6 hours; mathematics and/or science, 6 hours; Biblical literature, 6 hours; physical education, 2 hours.

Senior standing — 93 hours or above and 186 honor points and a reasonable assurance of being able to meet all graduation requirements within the year or by the end of the next summer session; completion of sophomore general education courses as follows: fine arts, 3 hours; Bible and religion, 9 hours; language, 5 hours.

Students are classified at the beginning of the school year and the minimum requirements for the respective classes must be met at that time. Class activities and listing in college or student publications will be carried out in accordance with the above classification.

Unclassified Students — Special or part time students who meet all entrance requirements but who are carrying fewer than eight semester hours, and mature and otherwise qualified students who are not pursuing the regular course of study may, with the approval of the Dean and the consent of the department concerned, be admitted to the College as unclassified students to take such courses as are open to them without respect to candidacy for a degree. Such work is limited to 30 semester hours.

Admission to Junior Standing

During the semester in which he expects to complete 50 or more hours of college work, the student should secure from the Registrar an "Application for Admission to Junior Standing." This will normally take place during the spring of the sophomore year. The completed application must be filed in the

Registrar's Office and will be approved only when the following conditions have been met:

1. The required number of hours, including specific courses and areas as listed above, are completed.
2. Signature of major adviser.
3. A complete tentative program of courses for the junior and senior years, incorporating all requirements in the curriculum for the degree sought, with the proper signatures of approval.

A student will not be permitted to register as a junior until the Application for Junior Standing is completed.

Class Attendance Policy

Admission to Olivet Nazarene College is a privilege which represents an investment by the supporters of the College as well as the student. The opportunities provided by the College are open only to those who are willing to devote themselves to the serious business of education.

Students are expected to attend all class meetings for which they are registered except in cases of prearranged field trips, official assignments by the College, participation in scheduled intercollegiate athletic events or official music ensemble tours as may be considered excusable by the Dean of the College. With the approval of the Dean of the College, a faculty member may stipulate a limit on the number of excused absences permitted in a course.

Attendance requirements in each course are determined by the professor, and will be clearly stated in the course syllabus filed with the dean of the College and distributed in class during the first week of the semester.

The student is personally responsible for all class work assigned in a course, even during his absence. In case of absence the student should inquire about the possibility of making up work missed. The student may be penalized for work missed, even though the reason for the absence is legitimate, if he fails to explain the reason for his absence and meet the requirements of the instructor in making up the work. If the explanation of the absence is acceptable to the instructor, the student will be permitted, to the extent possible, to make up work missed.

When absences not covered by educational leniency are not acceptable to the instructor, the student may be refused the privilege of making up the work, and may be assessed a consequent grade penalty. Those who do not expect to attend a class regularly should not enroll in the class. Those who find it impossible to attend class regularly should withdraw from the College before their record is marred by irregular attendance.

Protracted absence does not constitute a withdrawal, and will be treated as a failure in the course. For the procedure to be followed in changing or dropping a course, see the section on Registration in this chapter of the catalog.

Scholarship Requirements

Manual of Style for Papers: The official manual of style for term papers, theses and other reports is the *Student's Guide for Writing College Papers* by Kate L. Turabian.

Grading: A record of attendance and scholarship is kept for each student. A report of the student's class standing is given at the close of the semester.

The alphabetical system of grading, with \pm added at the discretion of the instructor, is used, i.e., A for superior; B for above average; C for average; D for below average, but passing; F for failure; H for audit; S for satisfactory work (credit toward graduation); U for unsatisfactory work (no credit toward graduation); X for work in progress; W for withdrawn before quality of work can be determined and I for incomplete. A student may be marked incomplete only in case of serious illness or other unavoidable causes of delay. All incompletes must be removed within one month after the grade period ends or the record will be marked "failure."

Honor Points: In order to graduate, the student must have earned twice as many honor or grade points as he has semester hours of work attempted. Honor points are based on quality of work performed, and are determined as follows:

A = 4 points per credit hour, A- = 3.7, B+ = 3.3, B = 3.0, B- = 2.7, C+ = 2.3, C = 2.0, C- = 1.7, D+ = 1.3, D = 1.0, D- = .70, F = 0.

The grades of H, S, U, X and W are neutral. A minimum grade point average of "C" (2.0) is required for graduation.

The plus/minus system of grading was adopted by the faculty in the 1983-84 school year, to appear on grade reports and transcripts starting in the 1984-85 school year. Whole numbers and simple letter grades were used prior to that.

Policy on Repeating Courses:

1. In case a course is retaken subsequent to the student's receiving a course grade of F, only the last grade is counted in determining his cumulative grade point average.
2. With the consent of the Chairman of the department in which the course is offered, a student is permitted to retake once a course in which he has earned a grade of D, with the higher of the two grades to count in determining his cumulative grade point average.

These privileges apply only to courses repeated at Olivet.

Pass-Fail (S or U) is used for student teaching, field experiences and certain other courses. In these courses the alphabetical system of grading is never used.

In addition, an individual student who has declared his major by filing an Application for Junior Standing may also be permitted, upon his request, to enroll in one elective course per semester in the last four semesters on the basis of *pass-fail grading*. Specifically excluded from this provision are courses in the major field, minor field, required supporting courses, and courses offered to fulfill general education requirements. A passing grade means "C" quality or better.

The intention to take a course on the basis of *pass-fail grading* must be indicated at the Office of the Registrar on or before the final day to drop a course. If this request is approved, a student may change to the alphabetical system of grading only if he files a written request to do so at the Office of the Registrar prior to the final day to drop a course.

Auditing a course: To audit a course means to take it for neither grade nor credit. An audit, satisfactorily completed, is recorded as such on the transcript. No record is made if the audit is not satisfactorily completed.

Normally the only requirements in an audited course are attendance requirements, which are set by the instructor.

Audit should be indicated at the time of registration, or a course may be changed from credit to audit any time prior to the deadline for dropping a

course. A course may be changed from audit to credit prior to this deadline only with the approval of the instructor, and payment of appropriate tuition adjustments.

A full-time student, paying the normal tuition fee, is not charged a tuition fee for an audited course, provided his total load, including the audited course, does not exceed 18 hours. If the total load exceeds 18 hours, a tuition fee of \$15 per hour is charged for the excess hours which are audited. Part-time students are charged a tuition fee of \$15 per hour for an audited course. Any additional fees (such as laboratory fee) in an audited course are charged to the student.

Arrangements to audit a course may be completed only if there is space available in the class.

Academic Retention or Probation: Failure in one-third or more of semester hours or achievement of 1.0 or lower in any given semester may be considered justifiable reason for dismissal.

An instructor may, with the approval of the Dean of the College, drop from a class any student who shows marked delinquency in attendance, who neglects his work, or who proves incompetent to pursue the work of the course.

A student who fails to maintain a grade average of "C" (2.0) is considered to be doing unsatisfactory work. When his cumulative grade point average falls below that indicated in the table below, he will be placed on academic retention, and thus will not be in good academic standing.

| <i>Semester Hours Attempted</i> | <i>Minimum G.P.A. for Good Standing</i> | <i>Level of Retention</i> |
|-------------------------------------|---|---------------------------|
| 1-17 | 1.60 | |
| 18-32 | 1.75 | 100 level courses |
| 33-48 | 1.90 | 100 and 200 level |
| 49 or more | 2.00 | courses |

Retention means that unless satisfactory work is shown in the next semester, the student will be discouraged from continuing his college work as a degree candidate. Students removed from degree candidacy because of low academic achievement will not be permitted to take courses at a level higher than those available to him under his last classification.

Removal from retention and return to good academic standing is accomplished by achieving a cumulative grade point average equal to the minimum required for good academic standing. Students on retention will not be admitted to Junior Standing.

Retention is determined by cumulative grade point average. The instructor will report to the student his approximate grade at mid-semester, and will submit to the Dean of the College a list of students doing unsatisfactory or failing work in each of his classes.

Retention and Eligibility: A student on retention is also ineligible — i.e., for all practical purposes retention and ineligibility are synonymous. Ineligibility means that the student cannot participate in any public program or service away from the campus as a member of an ensemble group. Ineligibility excludes a student from participation in any varsity intercollegiate athletic contest.

The eligibility of students transferring to Olivet Nazarene College is determined by the standards for eligibility applying to non-transfer students. The cumulative Grade Point Average, including grades for courses that were not accepted for transfer credit, will be used in determining eligibility.

Satisfactory Progress Requirement for Financial Aid: In order to maintain eligibility for financial aid, a student must meet the satisfactory progress requirement as stated in the following table.

| <i>Hours Attempted</i> | <i>Minimum Cumulative Grade Point Average</i> |
|------------------------|---|
| 1-24 | 1.5 |
| 24-40 | 1.7 |
| 41-57 | 1.85 |
| 58 or more | 2.00 |

A student whose cumulative grade point average falls below the minimum level must either earn a 1.7 average in the next semester of attendance or raise the cumulative grade point average to the minimum level required to maintain eligibility for financial assistance in grants and loans administered by the Olivet Financial Aids Office.

Once a student has lost eligibility for financial aid as a result of failure to make satisfactory progress, the student has three ways to regain eligibility for assistance:

1. Raising the cumulative grade point average to the minimum requirement.
2. In the following semester, registering for a full load, completing at least nine semester hours, and attaining a 1.7 mid-semester grade point average or a 1.7 final semester grade point average, in which cases aid can be reinstated on a semester-by-semester basis.
3. Remaining out of college for at least one semester, in which case aid can be reinstated on a semester-by-semester basis, depending on the student's level of achievement in the semester in which he returns to Olivet.

A student's eligibility for campus-based financial aid programs, i.e., CWSP, NDSL, SEOG, **is limited to eight semesters** of attendance in which the student enrolls as a full-time undergraduate student.

If a student receiving financial aid withdraws during a semester in which he was below the minimum GPA level required to maintain financial aid, he is not considered to be making satisfactory progress, and thus becomes ineligible for aid in the subsequent semester.

The cumulative Grade Point Average, including grades for courses that were not accepted for transfer credit, will be used in determining eligibility for financial aid for students who have transferred to Olivet from other colleges.

Privileges Open to Superior Students

A superior student is urged to make the most of his scholastic opportunities and to advance in accordance with his abilities. To give greater flexibility in the schedule and to provide for specialized studies, a student with a 3.0 grade point average and who has ranked in the upper quartile of his sophomore class according to the objective test in the field of his interest, may apply for directed study or for graduation with departmental honor.

Special Topics of Study in the sophomore, junior or senior year are open to superior students in most departments offering majors. In order to engage in study of "special topics" a student must apply to his instructor for permission to pursue a subject of particular interest not already treated extensively in a regular course. On written approval of the instructor and the Dean of the College the student may register for from one to six hours of credit. The name of

the applicant together with the plan of the course to be pursued, must be recommended by the head of the department in which the work is to be done to the Dean of the College for approval not later than the second Friday after the opening of the semester. Credit for special topics will be indicated on the transcript by use of the department name and the number 499.

Graduation with Departmental Honors is granted to a senior who shows independent and creative work of high quality in his major field. The study may cover material of individual courses, cut across course lines, or include subject matter and procedures not offered in the usual courses of the department. When recommended by the head of the department in which the student wishes to do honors work, a plan of the work to be pursued shall be forwarded, with the recommendation, for the approval of the Committee on Academic Standards. To be eligible for consideration for honors work, a student should have a 3.4 grade point average in his major field. If his work is of high quality, he will be granted four hours of credit toward graduation. If he passes a comprehensive examination in his major field with special emphasis on his honors project, he will be graduated with departmental honors, this to be indicated on the commencement program. The student must apply to the head of the department by October 15 in the academic year of graduation. Honors course work will be indicated by the department name and the number 500.

Assistantships

A limited number of assistantships are available to high scholarship students of advanced standing. These assistantships are open to those who have spent two or more semesters at Olivet Nazarene College. They are awarded on the basis of scholarship, character, leadership ability, educational promise, and need.

Holders of these appointments will assist in reading papers, laboratory service, or other work required in the department to which they are assigned.

Assistantships are valued from \$500-\$800 for the year. All appointments are for one semester, and are conditioned on satisfactory service. Appointments are made by the Dean of the College on the recommendation of the Chairman of the Department and Chairman of the Division. Application should be made to the Dean of the College by March 1 preceding the school year in which the appointment is to become effective.

Honors

Honor Society and Dean's List: Sophomores who have a cumulative scholastic average of 3.35 and Juniors and Seniors who have cumulative averages of 3.2 and above are eligible for membership in the college honor society. An average of 3.35 for the preceding semester is required for inclusion in The Dean's List.

An average of B is required for recommendation to a graduate school for graduate work.

Phi Delta Lambda: Olivet Nazarene College has a chapter of the National Nazarene Honor Society, Phi Delta Lambda, in which high ranking graduates are eligible to membership upon election by the faculty.

Graduation Honors: Graduation with highest honors (*summa cum laude*) requires a grade point average of 3.85.

Graduation with high honors (*magna cum laude*) requires a grade point average of 3.6.

Graduation with honors (*cum laude*) requires a grade point average of 3.35.

Graduation honors will be based on the grades of the entire college course.

In case a student has taken part of his college work at another institution or institutions, his grade point average will be calculated on the basis of the total work taken toward the degree; and on the basis of work done at Olivet Nazarene College. Whichever average is lower will be used as the basis for honors. In any case, the last 60 hours of work must be taken at Olivet if one is to qualify for honors.

College Marshal and College Queen. Each year the young man and the young lady in the junior class having the highest cumulative grade point averages are designated as College Marshal and College Queen respectively and lead the commencement procession.

Senior Citizenship Award: Each year one man and one woman from among the graduating seniors are selected by majority vote of the faculty to receive the Senior Citizenship Award. The selection is based on campus citizenship, scholarship, leadership and general achievement of the student in college activities. Letters certifying the award are presented to the students selected on Commencement Day and the names of those honored are engraved on a plaque in the Benner Library.

General Requirements for Graduation

Student Responsibility: Every candidate for a degree is personally responsible for meeting all requirements for graduation. The College, through its counselors and the credit summaries provided for the College by the Registrar, will assist the student in every way possible in avoiding difficulties.

Prospective teachers are also personally responsible for meeting the certification requirements of the state in which they expect to teach. Information about certification laws may be obtained from the Department of Education or from the Registrar.

Candidates for degrees are required to file their intention to graduate on forms provided by the Registrar's office at least 6 months prior to the expected date of graduation.

Candidates for graduation are expected to meet the requirements for graduation of the catalog in force at the time of that graduation. In cases of hardship caused by curricular changes during a student's successive years of enrollment at Olivet, an appeal may be made to the Academic Standards Committee.

Residence Requirements: A candidate for a bachelor's degree must take, either the last year (30 semester hours) at Olivet Nazarene College, or, he must take 15 of the last 30 semester hours in residence and offer no less than 45 semester hours of residence credit from Olivet Nazarene College. Included in the hours offered to satisfy the residence requirement must be at least one-half of the major and/or sufficient hours to complete a major satisfactory to the chairman of the major department and the Registrar.

The residence requirement for the associate degree is either (a) the last 15 hours at Olivet, or (b) a total of 22 hours in residence at Olivet with at least 8 of the last 15 hours in residence at Olivet.

Transfer Credit Limitations: Any course with a grade of D or F will not be accepted as transfer credit, but will be calculated in the grade average. A maximum of 68 hours will be accepted from two-year colleges as transfer credit at Olivet.

Second Bachelor's Degree: Some students desire to take a second bachelor's degree. It is often possible to complete the requirement for the second degree in one additional year. To receive a second degree, the student must complete at least 36 hours of work in addition to the 128 hours required for the first degree and must meet all of the requirements set forth in the curriculum for the second degree including general education requirements. In no case will more than one degree be conferred upon a candidate at any one commencement. At least 30 hours of these must be taken in residence at Olivet.

Correspondence Courses: Credit for correspondence courses taken at fully accredited colleges may be allowed to count toward degree requirements at Olivet Nazarene College only when prior approval is granted by the Registrar. A maximum of 15 hours of correspondence work may be applied at Olivet.

Cross-Listed Courses: In cases where students take cross-listed courses, up to two courses or seven hours may be applied to the requirements of two majors, a major and a minor, or two minors. However, in teacher education programs, courses may apply only in one major or minor.

Proficiency Examinations

Students may be permitted to establish credit for courses listed in our catalog by departmental proficiency examination. The grade in proficiency examinations is "credit" or "failure," but no student is given "credit" unless he had made at least "C" in the examination. No official record is made of failures in these examinations.

Proficiency examinations are given under the following restrictions: (1) They may be taken only by persons who are in residence, or who are candidates for degrees at Olivet; (2) They may not be taken by students who have received credit for more than one semester of work in the subject in advance of the course in which the examination is requested; (3) They may not be taken to raise grades or to establish credit in a course in which the student has received a failing grade. (4) The privilege of establishing credit by this method is not to be used to accelerate one's program, but to make possible the recognition of work already done, or an achievement already attained for which no academic credit has been established; (5) Not more than 10 semester hours credit can be earned by departmental proficiency examinations for any degree; (6) Applications for the examination must be approved in advance by the Dean of the College; (7) All such examinations shall be conducted by a committee of three, which shall be appointed by the Dean of the College. The signatures of all three examiners are required. Academic credit for such work will not be granted until the student has completed successfully at least one semester of work at Olivet Nazarene College. See also Waivers and Advanced Placement, Chapter 4.

Summer School

Olivet offers three summer sessions, each offering full college credit, operating on an accelerated schedule of classes. In a three-week session, three semester hours can be earned. In a five-week session, five or six semester credit hours can be earned. Dates of the summer sessions are listed in the College Calendar. All new students apply through the Director of Admissions by the deadline indicated. Registration for Summer School may be completed prior to or immediately following the first meeting of the class.

Transcripts

Students wishing to transfer to another institution, or who otherwise desire a transcript of their college work, must present a written request to the Registrar, giving notice of at least one week. Near the beginning or end of a semester the period required to process a transcript request may be somewhat longer.

Transcripts are generally furnished each student without charge. However, any funds received by the registrar with transcript requests will be donated to the Olivet Alumni Scholarship Fund. A service charge of \$5.00 will be made if the transcript is to be issued on the same day as the request. A transcript will not be issued to or for a student who is indebted to the college.



Biology students have excellent equipment for study and research, such as this binocular microscope.



Electronic pianos are used in this class for beginning piano students in the Larsen Fine Arts Center.



Teacher Education

Teacher education at Olivet Nazarene College makes use of the total educational resources of the college, is the concern of the entire faculty, and is under the direction of the faculty. Accordingly, teacher education is coordinated through designated officers, the Teacher Education Executive Committee, Teacher Education Faculty and other policy making bodies of the College. The program is designed to bring the resources of the College to bear most effectively in the education of teachers.

Objectives of Teacher Education

Students admitted to, and retained in, the teacher education program are expected to demonstrate suitable growth in the habits, attitudes, skills, and personal qualities specified in the institutional objectives. They constitute the general objectives of teacher education.

Within the framework of the general objectives of the college, the faculty has formulated specific objectives of teacher education. These objectives specify qualities considered essential for teachers. The faculty expects that the teacher education graduate will be a person who:

1. Possesses competency in the area(s) of specialization in which he expects to teach;
2. Understands the school as a social institution and teaching as a profession, and is able to interpret the school and its function to the public;
3. Has a professional attitude that insures quality service and continued growth in the profession;
4. Understands human development, behavior, adjustment, learning process, and individual differences;
5. Knows instructional materials, methods, techniques, and evaluation procedures, is skilled in their use, and understands their bases in principles of development, learning, and individual differences;
6. Appreciates the opportunities for Christian service in the teaching profession;
7. Organizes and presents learning experiences effectively;
8. Is aware of the teacher's relationships to students, professional colleagues, and the public, and possesses the knowledge and skills implied by these relationships;
9. Integrates in a personally effective way the qualities of stability, patience, sympathy, and creative imagination;

10. Accepts the child as a person worthy of respect and has faith in his improvement through the medium of organized education;
11. Makes educational decisions that are coherent with a growing personal philosophy of education;
12. Makes use of basic knowledge of himself and of the profession in determining his anticipated role in the profession of education;
13. Makes accurate appraisal of the requirements of teaching positions and of his qualifications relative to them;
14. Accepts professional employment and maintains professional relationships in harmony with recognized ethical principles.

Programs of Teacher Education

General Education for Teachers

The general education for teachers is the same as that of other students in the college except that certain choices within the program must be made and the hours possibly slightly increased to include the following:

- a. Mathematics (grades of C- or above): 6 hours for elementary, 3 for secondary.
- b. A three-hour course in American History or Government.*
- c. Psychology 101, 211 (Elementary), or 212 (Secondary).
- d. Four semester hours in Health and Physical Education.

Students preparing to teach in elementary school and those preparing to teach primarily in the subject matter fields of biology, business, home economics, music, physical education and physical science may elect to receive a Bachelor of Science degree rather than a Bachelor of Arts degree. If they do this, they may select courses in Intercultural Understanding in the General Education program rather than courses in foreign language. Students planning to teach in high school other than in the subjects specified above will normally complete requirements for the Bachelor of Arts degree.

- e. Bachelor of Science degree graduates must complete one course in domestic multicultural understanding and one course with an international exposure to satisfy the International Understanding General Education Requirement (Group V).
- f. A grade of C- or above is required for courses in the Professional Education Sequence for student teaching and graduation for all teacher education majors.

*In Illinois, Hist. 121 or Pol. Sci. 123 and Pol. Sci. 125 meet the requirement in this area.

Senior High School Program

Professional Education. The required professional education sequence for prospective high school teachers is as follows:

| | |
|--|---------|
| Educ. 249 — Educational and Developmental Psychology | 3 hours |
| Educ. 250 — Field Experience Laboratory | 1 hour |
| Educ. 351 — General Methods for the Secondary School | 2 hours |
| Educ. 352 — General Methods Practicum | 1 hour |
| A Special Methods Course in the Teaching Field | 2 hours |
| Educ. 480 — Special Methods Practicum | 1 hour |

| | |
|---|-------------------|
| Educ. 486 — Supervised Student Teaching in the Secondary School | 8 hours |
| Educ. 488 — Social and Philosophical Foundations of American Education | 3 hours |
| Educ. 490 — Beginning of School Experience | 0-1 hour |
| | <hr/> 21-22 hours |

Subject Matter Specialization. Students planning to teach in secondary schools must be prepared for certification in one teaching field, and must, in addition, pursue either of two options:

Option A. Teaching Major with a Teaching Minor

The major teaching field must consist of at least 32 semester hours or the number of hours specified for the department or teaching area concerned. The second teaching area must include 20 to 25 semester hours.

| | Major | Minor |
|--------------------|----------------|--------------|
| Biological Science | 32 or 40 hours | 24 hours |
| Business Education | 37 | 25 |
| Chemistry | 32 | 24 |
| English | 35 | 24 |
| History | 32 | 24 |
| Home Economics | 37 | 24 |
| Mathematics | 33 | 20 |
| Physical Education | 33 | 24 |
| Physical Science | 56 or 63 | 24 |
| Physics | 32 | 24 |
| Romance Languages | 50 | |
| Social Science | 54 | 24 |

Minor concentrations (second fields only) which Olivet offers and the required number of hours for each are:

Art — 24; Earth and Space Sciences — 24; French — 20; General Science — 24; German — 20; Health Education — 22; Music — 24; Psychology — 20; Spanish — 20; Speech Communication — 21.

See departmental listing for specific requirements.

Option B. Teaching Major with Special Emphasis

Selection of this option involves submitting a statement of and an acceptable rationale for the substitution of a Special Emphasis for the teaching minor. This must be submitted to and approved by the major department, the Secondary Education Director in the Department of Education, and the Director of Teacher Education. The selection of Option B might not meet requirements for certification in some states. In addition, approval of the Teacher Education Executive Committee is required for any Option B requiring 15 hours or less.

Elementary School Program

Professional Education

The required professional sequence for Elementary Education is:

| | |
|--|---------|
| Educ. 249 — Educational and Developmental Psychology | 3 hours |
|--|---------|

| | |
|---|------------|
| Educ. 250 — Field Experience Laboratory | 1 hour |
| Educ. 356 — Elementary School Mathematics Instruction | 3 hours |
| Educ. 357 — Foundations of Reading | 3 hours |
| Educ. 407 — Special Education Practicum | 1 hour |
| Educ. 408 — Practicum in Reading | 2 hours |
| Educ. 484 — Student Teaching in the Elementary School | 8-12 hours |
| Educ. 487 — Elementary School Curriculum and Management .. | 2 hours |
| Educ. 488 — Social and Philosophical Foundations of American Education | 3 hours |
| Educ. 489 — Pre-Student Teaching Laboratory | 1 hour |
| Educ. 490 — Beginning of School Experience | 0-1 hour |
| Educ. 576 — Survey of the Exceptional Child | 3 hours |
| Educ. 497 — Audio-Visual Media* | 0-2 hours |

 30-37 hours

*This requirement must be satisfied by documentation of experience or by taking the course Education 497 for credit or audit.

Subject Matter Specialization

Students planning to teach in elementary schools must complete at least 78 hours of General Education, including one of the following options:

Option A: Single Specialization Program

1. Language Arts, including speech, children's literature,
Educ. 354 and a departmentally approved elective 17-20 hours
2. Social Science, including 3 hours U.S. History
or Amer. Govt., and Educ. 353 14 hours
3. Natural Science, both biological and physical 11-12 hours
4. Fine and Applied Arts. Minimum of 4 hours each in
Music and Art. Literature and/or Biblical Literature
may be counted for up to 4 hours 12 hours
5. Mathematics, 111 and 112 recommended 6 hours
If 101 and 111 are taken, the student must either audit 112 or
demonstrate microcomputer awareness as defined in course
45-112.
6. Health and/or Physical Education (Personal and
Community Health, or First Aid recommended) 4 hours
7. Additional hours to provide one of the following specializations:
Language Arts 24, Social Studies 24, Natural Science 24, Art 16,
Music 16, Foreign Language 15, Physical Education 16, Mathematics 12.
8. Other courses to meet General Education Requirements .. 10-14 hours

 At least 78 hours

Option B. Two Specializations

Same as Option A for Single Specialization except for Social Science 11 hours instead of 14. Two specializations in Item 7, one of 20 hours and one of 18 hours, instead of one specialization. Consult with the head of the Education Department for further explanation.

Option C. Middle School Program

Students desiring to qualify for Middle School teaching must see the Director of Teacher Education for requirements.

Music Teaching Program

Professional Education

The required professional education sequence for music education is:

| | |
|---|-------------|
| Educ. 249 — Educational and Developmental Psychology | 3 hours |
| Educ. 250 — Field Experience Lab | 1 hour |
| Educ. 380 — Special Methods Practicum for Music Education | 1 hour |
| Educ. 454 — Secondary Music Methods | 2 hours |
| Music 462 — Elementary School Music Methods | 2 hours |
| Educ. 480 — Special Methods Practicum | 1 hour |
| Music 485 — Student Teaching | 8-12 hours |
| Educ. 488 — Social and Philosophical Foundations of American Education | 3 hours |
| Educ. 490 — Beginning of School Experience | 0-1 hour |
| Total | 21-26 hours |

Subject Matter Specialization

See Department of Music.

Early Childhood Education Program

This program is not approved for certification by the state of Illinois. However, it would be adequate preparation to direct or teach in a day care center.

Professional Education

The required professional sequence for the Early Childhood program is:

| | |
|--|-------------|
| Educ. 211 — Child Developmental Psychology | 3 hours |
| Educ. 249 — Educational and Developmental Psychology | 3 hours |
| Educ. 250 — Field Experience Laboratory | 1 hour |
| Educ. 356 — Elementary School Mathematics Instruction | 3 hours |
| Educ. 357 — Foundations of Reading | 3 hours |
| Educ. 408 — Practicum in Reading | 2 hours |
| Educ. 484 — Supervised Student Teaching: Kindergarten | 8 hours |
| Educ. 490 — Beginning of School Experience | 0-1 hour |
| Educ. 497 — AV Instructional Media (recommended) | 0-2 hours |
| Educ. 520 — History and Philosophy of Early Childhood Education | 3 hours |
| Educ. 526 — Instructional Methods of Early Childhood Curriculum | 3 hours |
| Educ. 576 — Survey of Exceptional Children | 3 hours |
| Total required hours | 32-35 hours |

Subject Matter Preparation. Required subject matter includes:

- | | |
|---|-------------|
| 1. Language Arts, including speech, children's literature, Educ. 354 | 17 hours |
| 2. Social Science, including U.S. Hist. 121 or American Govt. | 12 hours |
| 3. Natural Science, both biological and physical | 11-12 hours |
| 4. Fine Arts 101, Art 365, Music 360 and 366 | 8 hours |
| 5. Mathematics, 111 and 112 recommended | 6 hours |
| 6. Health and/or Physical Education | 4 hours |
| 7. Supporting Courses: | 8-9 hours |
| Sociology 232 — Marriage and Family, 3 hours | |
| Home Ec. 121 — Introduction to Nutrition, 3 hours | |
| Chr. Ed. 363 — Christian Education of Children, 2 hours | |
| or 366 — Contemporary Ministries, 3 hours | |

Associate of Arts Degree for Teacher Aides

See Department of Education for description of this two-year course of study.

Admission to Teacher Education

Admission to the Teacher Education Program of the College is necessary for admission to special methods courses in education and to student teaching. Normally the student will apply for such admission near the end of the sophomore year and immediately after, or while taking, the first course in the professional sequence. Otherwise, progress through the professional sequence of courses may be delayed. Application blanks may be secured at the Education Office. Applications for the Teacher Education program will initially be screened by the Director of Teacher Education, and the report acted upon by the Teacher Education Executive Committee, and reported to the Teacher Education Faculty. Factors which are weighed in considering applications are personality, emotional stability, character, scholarship, competence in communication, physical health, and professional interest. The following requirements must be met for admission:

1. 2.30 grade point average.
2. Clearance by the office of the Dean of Students.
3. Grades of C- or above in 6 hours of English Composition.
4. Two out of three satisfactory faculty recommendations and a good character reference from a person approved by the Director of Teacher Education.

In submitting references students should be sure to include the names of faculty advisers. The evidence of professional interest may be considered questionable for students who have not availed themselves of opportunities for work with youth groups, in church school teaching, or of other opportunities for assisting children and youth to grow.

Pre-Student Teaching Laboratory Experiences

Pre-student teaching laboratory experiences including the use of films (vicarious experience), school observation and participation are provided in connection with some of the education courses prior to student teaching. The

minimum in such experiences in the schools for secondary education and music education majors in Educ. 250, 352, 380 (music only), 480, 490 shall be 100 clock hours. Elementary education majors surpass the 100 clock hours requirement by taking Education 250, 407, 408, 489 and 490. Students are to keep records of pre-student teaching laboratory experience, together with signatures of supervising personnel on blanks provided for this purpose. These records are kept in the students' folders in the Education Office and are considered in connection with admission to the Teacher Education Program and in connection with placement in student teaching assignments.

Admission to Student Teaching

Students should submit applications for student teaching by December 15 of the semester prior to the school year in which they expect to do student teaching. Transfer of student teaching credit earned at another college must have prior approval of the department chairman, the director of teacher education, and the registrar before student teaching placement is assigned.

Prerequisites to student teaching involve previous admission to the Teacher Education Program of the College, and at least two methods courses. In addition each candidate for student teaching must be approved by the Teacher Education Executive Committee before he can be registered and assigned. The approval of the candidate's major department, an overall grade point average of 2.30 or better, a grade point average of 2.50 or better in the major field for secondary students, or a grade point average of 2.50 or better in the Professional Education Sequence for elementary school teachers, are required. The requirement of credit hours in student teaching is 8 hours. Additional credit up to 12 hours is optional.

Student Teaching and Employment

As a general practice, the college discourages students from employment on or off campus during student teaching. Supervising teachers in the schools view student teaching as an internship which should demand the total involvement of the beginning teacher. Thus the student teacher should be free from other responsibilities which might detract or drain energy from teaching.

Exceptionality Requirements

As of September 1, 1981, Elementary Education graduates will fulfill state mandated exceptionality requirements through Educ. 576—Survey of the Exceptional Child, and Educ. 407—Practicum in Special Education.

Secondary Education graduates will fulfill the same requirement by either completing the Secondary Education Exceptionality Modules (SEEM), or Educ. 576—Survey of the Exceptional Child and SEEM Modules V and VI with special methods courses. Physical Education majors fulfill the Exceptionality Requirements by the SEEM Modules if taken prior to Fall 1983. In the Fall Semester 1983 and thereafter, their requirement is fulfilled by taking the course 370-Adaptive Physical Education. As shown below, SEEM is composed of six competency-based modules, two modules being assigned to each of three professional sequence courses.

| <i>Module Number</i> | <i>Module Title</i> | <i>Course Association</i> |
|----------------------|--|--|
| I | Mental Retardation and Learning Disabilities | Education 249 |
| II | Emotional Disturbances and Speech-Language Disorders | Education 249 |
| III | Hearing and Visual Impairments | Education 351 (Music-Special Methods) |
| IV | Physical Handicaps; Gifted | Education 351 (Music-Special Methods) |
| V | Methods: The IEP Process | Special Methods |
| VI | Methods: Behavior Contrasting Systems | Special Methods |

Student Teaching and the Professional Semester

The college is committed to the plan of block schedule (full time for eight weeks) student teaching. To implement this program, students and advisers must plan ahead and reserve designated professional courses and other courses arranged to facilitate student teaching for the semester in which student teaching is to be done. A semester which involves mostly student teaching and other professional courses is known as a professional semester. Block schedule student teaching is normally offered during the last eight weeks of the fall semester (Block II), and the last eight weeks of the spring semester (Block IV).

Changes in Student Teaching Placement

When a student teaching placement is cancelled by the student so late that the supervising teacher cannot take another student teacher for the given school year, the student's account will be charged for the payment of the honorarium to the supervising teacher.

If a request for placement in another setting is initiated by the student teacher, a full honorarium will be paid the supervising teacher according to how close the change is made to the student teaching period. If such change is initiated by a conference of the teacher, principal, college supervisor and/or the student, no additional fees will be charged unless the student teaching period is extended.

Securing a Teaching Credential

Each public school teacher is required by law to hold a valid certificate issued by the state in which he teaches.

To obtain Illinois certification, by entitlement, an Olivet graduate must have completed one of our state-approved teacher education programs, all of which surpass the minimum Illinois requirements. Upon completion of the academic program, the student should obtain and complete the appropriate certification forms in the Registrar's office. After the application form is signed by the Certification Officer, who is the Director of Teacher Education, and the Certifica-

tion Officer has indicated that graduation requirements have been satisfied, the applicant must submit the certification forms and appropriate fees to the superintendent of schools in the Illinois region in which the applicant resides or plans to teach.

Applications and information about certification in other states are available in the Registrar's Office. For a specific state's certification requirements and procedures, see the Registrar or Director of Teacher Education. These applications are usually completed during the final semester of the student's senior year.

Placement of Teacher Candidates

The college maintains a Career Planning and Placement Office to assist graduates in securing positions in which they are interested and for which they are qualified. Teacher candidates register with the office for placement service in the senior year as directed by the office.

The Placement Office receives and files notices of teaching position vacancies and makes this information available to students, at the student's request supplies copies of his credential folder to prospective employers, arranges interviews on campus between students and school officials, counsels candidates with respect to teaching opportunities in areas for which the office has no current listings, and maintains the student's credential file after he graduates. The placement service of the College is free to the graduating senior and registered alumni. The student should register with this office at the indicated time even though he may have secured a position for teaching prior to registering.

The Curriculum Materials Center

A Curriculum Materials Center is maintained on the ground floor of the Library. The Curriculum Materials Center houses school textbooks, trade books, curriculum guides, professional pamphlets, resource units, and other instructional materials selected especially as resources for students planning to become teachers. These materials are available for examination and use by students, faculty and off-campus supervisory teachers. The Director of the Center is available for consultation concerning instructional materials.

The Teacher Education Office

While teacher education is a function of the total college, represented by the Teacher Education Faculty, the various administrative details connected with the program are coordinated through the office of the Department of Education. Here students may pick up various forms to be filled out and return them for filing; various reference forms and rating scales are sent out from and returned to this office; and in general it serves as a center for teacher education activities.



Concert Singers are a select group of musicians who presented this program to the All-School Christmas Dinner. Olivet has ten vocal and instrumental ensembles in the Department of Music.

8

Courses of Instruction

Olivet designs and offers academic programs that support its general objectives, and that appear to meet important needs of its students and constituency. The following listing of programs of instruction include some developed recently as well as traditional programs of the College.

Course and Department Numbering System

The number of the course designates the level or classification a student must have to take the course.

- 000 — Not available for degree credit
- 100 — Introductory or basic Freshman level courses
- 200 — Sophomores and specially qualified Freshman
- 300 — Juniors and specially qualified Sophomores
- 400 — Seniors and qualified Juniors
- 500 — Graduates, qualified Seniors
- 600 — Graduates only

74 Departments of Instruction

The courses of study in the college are grouped in nine divisions. Departments in each division are listed below and at the page beginning each division.

All these departments offer majors except Fine Arts, Library Science, Music Literature, Music Theory, Political Science and Geography. A chart of majors and minors appears in Chapter 2.

The first instructor named under each department is the chairman of that department; others are listed alphabetically in the department.

The Divisions, Departments and Disciplines offered are:

10 — General Studies & ROTC (Army)

1. Division of Education and Psychology

- 11 — Education
- 12 — Library Science
- 13 — Psychology
- 14 — Physical Education

2. Division of Nursing — 15

3. Division of Fine Arts

- 21 — Fine Arts
- 22 — Art
- 23 — Applied Music
- 24 — Church Music
- 25 — Music Education
- 26 — Music Literature
- 27 — Music Theory

4. Division of Languages, Literature and Communication

- 32 — English Language
and Literature
- 33 — Foreign Languages
- 34 — Speech Communication

5. Division of Natural Sciences

- 41 — Natural Sciences
- 42 — Biological Sciences
- 43 — Chemistry

44 — Geological Sciences

45 — Mathematics and Computer Science

46 — Physics

6. Division of Religion and Philosophy

- 51 — Biblical Literature
- 52 — Philosophy
- 53 — Christian Education
- 54 — Theology

7. Division of Social Sciences

- 61 — Social Sciences
- 62 — Business Administration
- 63 — Accounting
- 64 — Economics
- 65 — History and Political Science
- 66 — Political Science
- 67 — Home Economics
- 68 — Sociology and Anthropology
- 69 — Geography

8. Division of Graduate Studies

9. Division of Continuing Education

General Studies

The following courses are offered without reference to any department:

GS100 — Introduction to College Studies, 1 hour.

A credit course required for freshman designed to facilitate successful adjustment to college. The summer orientation program and weekly discussion sessions in the fall with one's academic advisers make up the two major parts of this course. Required of all freshman. Pass/Fail grading.

GS101 — Essentials of Learning. 2 hours.

A course of basic instructional guidance designed for students who do not meet regular admissions criteria. Study and life-coping skills, time management, and notetaking are the focus of the sessions together. Counseling is offered to assure a chance of success in college. Credit for this course will not be entered on the transcript until the successful completion of other courses in the fall semester is recorded.

GS102 — Introduction to Career Options. 2 hours.

An introduction and biblical approach to the areas of career, calling and occupation. Intended to provide understanding of work, value systems, aptitudes, skill identification and tools helpful in career direction exploration through participation in self-assessment, value clarification and theory examples. Helpful in selection of academic major, and utilization of educational choices. Open to students of all class levels. Seniors are provided opportunity for personal document development, usable in job campaign strategy. Persons interested in assisting others in career choices and information will be introduced to the rudiments of that process.

GS300 — Academic Advising Assistantship. 1 hour.

A credit course for upper division students selected by the dean of the College to assist as an adviser in the freshmen advising program. Responsibilities consist of participation in an in-service workshop, one summer freshman orientation, and assistance in weekly freshman advising sessions. Pass/Fail grading.

Reserve Officers Training Corps (Army ROTC)

Olivet Nazarene College has developed a working relationship with Wheaton College for the Army ROTC program. Five courses are taught at Olivet at the present time for freshmen and sophomores. Upper division students continue the ROTC program through cross-enrollment with Wheaton College. Substantial scholarships may be earned by those who qualify through the initial courses. Courses 10-132 and 10-133 may also be used for Physical Education activity course credit in General Education Requirements.

Courses

10-130 — The Army Today. ½ hour. An introductory course on the U.S. defense establishment and the U.S. Army, ROTC orientation and history, Christian perspectives on military service, orientation on Army life and opportunities, fundamentals of soldiering, individual tactical training.

10-132 — Orienteering and Mountaineering. ½ hour. Basic fundamentals in map reading and land navigation. Introduction to principles and techniques of orienteering and mountaineering, with practical exercises in mountain climbing, rapelling and orienteering. Applies toward Physical Education activity course requirement.

10-133 — Rifle Marksmanship. ½ hour. Introduction to rifle marksmanship, including live fire of .22 calibre rifle, M16A1 rifle, and pistol; familiarization with individual and crew served weapons to include nomenclature, characteristics, principles of operation and maintenance. Applies toward Physical Education activity course requirement.

10-231 — Leadership and Management. 1 hour. Study and application of the principles and techniques of leadership and management at small unit or organization levels. Decision making, human behavior, and motivating performance are emphasized.

10-235 — Small Unit Leadership. 1 hour. Fundamentals and principles of squad tactics and leadership; appreciation of the junior leader's qualities, role and responsibilities; fundamentals of first aid and advanced map reading and land navigation to include practical exercises. Prerequisite: 10-130 or equivalent.



Office Administration students practice on modern electronic typewriters in the Business Department.



Most Olivet classrooms, like this one in Psychology, are small enough for good interaction between teachers and students.

Division of Education and Psychology

| | |
|---------------------------|-------------|
| Education | — 11 |
| Library Science | — 12 |
| Psychology | — 13 |
| Physical Education | — 14 |

Harry R. Westfall, Chairman

The Division includes the Departments of Education, Psychology, Physical Education. Service courses in Library Science are also available.

The Division attempts to help achieve the aims of the college by: (a) giving the student an understanding of human behavior, emphasizing good mental and physical health through theory and practice; (b) helping the student make vocational preparation in the fields represented in the Division; and (c) helping the student see the practical application of Christianity in these fields of service.

Education — 11

HARRY R. WESTFALL (1967)

Professor of Education; Chairman of Department; Director of Teacher Education; Chairman, Division of Education and Psychology.

B.A., 1951, Oakland City College (Indiana)

M.A., 1953, Butler University

B.D., 1955, Nazarene Theological Seminary

M.S.Ed., 1963, Ph.D., 1967, Purdue University

DEBORAH E. BEMBRY (1981)

Assistant Professor of Education

B.S., 1974, Albany State

M.Ed., 1975, University of Illinois

Ph.D., 1978, University of Iowa

JACK W. FURBEE (1970)

Professor of Education; Director of Graduate Studies in Education

B.A., 1956, West Liberty State College

M.A., 1959, West Virginia University

Ed.D., 1970, West Virginia University

Western Reserve University

Kent State University

SARA SPRUCE (1979)

Associate Professor of Education

B.S., 1967, Eastern Nazarene College

M.A., 1969, Ball State University

Ed.D., 1979, University of Illinois

MICHAEL VAIL

Associate Professor

See Library, Media Services.

DONALD A. WOOD (1980)

Professor of Education

B.S., 1956, McKendree College

M.S.Ed., 1965, Southern Illinois University

Ed.D., 1976, University of Illinois

The Department of Education is a service department for the Teacher Education Program. Its objectives are included in those listed for this program in Chapter 7. The department also offers courses to meet needs of students in other departments of the college. The Department of Education is responsible for courses in Library Science.

Students desiring an undergraduate major in education must first be received into the Teacher Education Program of the college by action of the Committee on Teacher Education, must declare that intention by the beginning of the junior year, and must have, and continue to maintain, a 2.3 point average in all college work.

A grade of C – or above is required for Professional Education Sequence courses for student teaching and graduation for all teacher education majors.

Major, B.A. or B.S. A Professional Education Sequence of courses, plus specialization in subject matter. These approved Teacher Education programs are described in Chapter 7 of this *Catalog*:

Elementary Education

Early Childhood Education

Professional Education Sequence for Secondary Teachers

Music Teaching Program

Associate of Arts Degree Program for Teacher Aides

Required: 14-19 hours

Educ. 129 — Teacher Aide Field Work (1-2 hours)

249 — Educational and Developmental Psychology

250 — Field Experience Laboratory

357 — Foundations of Reading

408 — Reading Practicum (2 hours)

P.E. 200 — Introduction to Health Education

367 — Methods and Materials in Physical Education — Elementary School

or Art 105 — Crafts

or P.E. 301 — Health Education for Elementary School

Bus. 113 — Typewriting or 1 year of high school typing

Recommended:

Lib. Sci. 201 — Use of Libraries and Information Sources

Candidates for the Associate of Arts degree for Teacher Aides must complete the General Education Requirements (Catalog, Chapter 2) including Introduction to Psychology 101 or Psych. 211 (for elementary aides) or Psych. 212 (for

secondary aides), and a course in Mathematics. The total program is subject to the approval of the department chairman.

The Master of Arts in Education Degree is offered with majors in Elementary Education and in Secondary Education. These programs are described in the chapter of this catalog devoted to graduate studies.

Courses

11-105 — Crafts for Elementary Teachers. 2 hours. (Same as Art 105.)

11-129 — Teacher Aide Field Work. 1-2 hours. Each student will need to clear two mornings or two afternoons per week for assignments in the schools. One week (6 hours of class meetings) will be spent in orientation and study of para-professional duties and responsibilities. A student will spend 40 or more hours in a public school setting per credit hour.

11-211 — Child Growth and Development. 3 hours. Same as Psychology 211. Elementary education majors who have had a course in psychology in high school should take this course in place of 13-101 — Introduction to Psychology.

11-212 — Adolescent and Adult Developmental Psychology. 3 hours. Same as Psychology 212. Secondary education majors who have had a course in psychology in high school should take this course in place of 13-101 — Introduction to Psychology.

11-249 — Educational and Developmental Psychology. 3 hours. A study of development from birth to maturity, the learning process, language and thinking, mental hygiene and evaluation. Competency on Modules I and II of Secondary Education Exceptionality Modules will be required in this course of students whose programs do not require the approved course in exceptionality. Prerequisite: Psychology 101.

11-250 — Educational and Developmental Psychology Field Lab. 1 hour. Twelve sessions in the elementary school with weekly reports required. Taken concurrently with Educ. 249. Student time sheets will show a minimum of twenty clock hours contact with public school students.

11-341 — Statistics. 4 hours. Same as Mathematics 341.

11-351 — General Methods for the Secondary School. 2 hours. A survey of psychological bases for methods and techniques; managing the environment; organizing materials of instruction; planning, motivating and guiding learning activities. Competency on Modules III and IV of Secondary Education Exceptionality Modules will be required in this course of students whose programs do not require the approved course in exceptionality. Prerequisite: Education 249.

11-352 — General Methods Practicum. 1 hour. One hour daily for approximately six weeks, students will be actively involved in the teaching process with a public secondary school teacher. Time sheets will show a minimum of forty clock hours contact with public school students. Taken concurrently with Educ. 351.

11-353 — Elementary School Social Studies Curriculum. 2 hours. Survey of trends in the teaching of the social studies, methods and materials available for use in teaching social studies and an analysis of the objectives of the social studies curriculum. Emphasis is placed on awareness of minority groups and their contributions to American multi-cultural education, the importance of the self-concept in school achievement, values clarification techniques, and the place of the text in an on-going social studies program.

11-354 — Foundation of Language Arts Curriculum. 2 hours. A study of the curricula content, teaching strategies and recent research in the communication skills of grammar, handwriting, creative writing, spelling and literature. Prerequisites: Educ. 249 and admission to the Teacher Education Program. Must be taken concurrently with Educ. 408 and 357.

11-356 — Elementary School Mathematics Instruction. 3 hours. This course outlines modern practices in the teaching of arithmetic with special emphasis upon a meaningful approach which includes both the mathematical phase and the social phase of arithmetic in keeping with recent research findings. Prerequisites: Educ. 249 and admission to the Teacher Education Program or consent of instructor. The course includes working with peers, and using manipulative materials.

11-357 — Foundations of Reading. 3 hours. An exploration of current approaches, trends, strategies, materials for instruction and recent research in the teaching of developmental reading in the elementary schools. Prerequisites: Educ. 249 and admission to the Teacher Education Program. Must be taken concurrently with Educ. 408 and 354.

11-358 — Teaching of Reading in Secondary Schools. 2 hours. Dealing with reading problems of a high school student in a specific content is the purpose of this course. Secondary education students will be involved in diagnosis, remediation, enrichment, measurement, and evaluation of reading problems of high school students.

11-360 — Instrumental Activities. 1 hour. Same as Music 25-360.

11-363 — Elementary School Science Curriculum and Instruction. 3 hours. An introduction to elementary school science curriculum and instructional methods. Students are involved with public school academically talented students for twelve sessions in science instruction on campus. Prerequisites: Educ. 249 and admission to Teacher Education Program, or consent of instructor.

11-364 — Methods in Secondary Physical Education. 2 hours. Same as P.E. 364.

11-365 — Art Activities for the Elementary School. 2 hours. Creative art as it should be taught in the elementary school. Various media are explored for unique correlations to the classroom curriculum. Prerequisites: Admission to Teacher Education Program or consent of instructor.

11-366 — Music Activities for the Elementary School. 2 hours. (Same as Music 366.) Prerequisite: Education 360.

11-367 — Methods and Materials in Physical Education for the Elementary School. 3 hours. Same as Physical Education 367.

11-380 — Special Methods Practicum in Music. 1 hour. This course is for Music Education majors who will accumulate a minimum of 40 clock hours per semester hour working with students and a classroom teacher in a public school classroom. This practicum is taken in conjunction with 25-180, 280, 380, and 381. Students register for 11-380 at the beginning of the first course and complete the requirement at the completion of the last course of the series of requirements.

11-400-414 — Student Interest Practicum. 1-4 hours. This is a field experience in which the elementary or secondary education student works with students in an area of interest under the supervision of a supervising teacher or director of a program. A student will spend 30 or more hours per credit hour. Prerequisites: Junior Standing, Ed. 249, 250.

These course numbers will designate particular programs of the Practicum in various departments:

11-400 — Open School Concept

11-401 — Language and Literature

11-402 — Social Sciences

11-403 — Natural Sciences

11-404 — Fine Arts

11-405 — Outdoor Education

11-406 — Pre-School

11-407 — Special Education

11-408 — Reading — See Educ. 354 and 357

11-409 — Mathematics

11-410 — Vocational Education

11-411 — Physical Education

11-412 — Reading Laboratory

11-413 — Learning Center

11-414 — Multicultural Community Relations

Courses 11-454 and 462 will provide music education majors with material to satisfy the competency requirement of Modules III to VI on Special Education.

11-454 — Secondary Music Methods. 2 hours. Same as Music 454.

11-462 — Elementary School Music Methods. 2 hours. Same as Music 462.

A course chosen from 11-465 through 478 will provide secondary education majors with material to satisfy the competency requirement of Modules V and VI on Special Education.

11-465 — Teaching of Art. 2 hours. Same as Art 465.

11-469 — Teaching of Modern Languages. 2 hours. Same as Foreign Language 469.

11-471, 472 — Teaching of Business Subjects. 2 hours both semesters. Same as Business 471, 472.

11-474 — Teaching of Mathematics. 2 hours. Same as Mathematics 474.

11-475 — Methods of Teaching Home Economics. 2 hours. Same as Home Economics 475.

11-476 — Teaching of English. 2 hours. Same as English 476.

11-477 — Teaching of Science. 2 hours. Same as Natural Science 477.

11-478 — Teaching of Social Studies. 2 hours. Same as Social Science 478.

11-480 — Special Methods Practicum. 1-2 hours. Secondary education students will accumulate a minimum of 40 clock hours per semester hour. Working with students and classroom teacher in a public school classroom in conjunction with special methods course(s) in the student's major field.

11-481 — Para-Professional Practicum. 4 hours. Students will spend half days for eight weeks working with a teacher as a para-professional under supervision of a college supervisor.

11-484 — Supervised Student Teaching in the Elementary School. 8-12 hours. Prerequisites: Senior standing, approval by the Committee on Teacher Education, Education 249 and reading and arithmetic methods.

11-485 — Supervised Student Teaching: All Grades. 8-12 hours. Prerequisites: Senior standing, approval by the committee on Teacher Education. Educ. 351, and/or appropriate special methods course or two appropriate methods courses without Educ. 351.

11-486 — Supervised Student Teaching in the Secondary School. 8-12 hours. Prerequisites: Senior standing, approval by the Committee on Teacher Education, Education 351 and an appropriate special methods course (concurrent registration in these courses may be permitted).

11-487 — Elementary School Curriculum and Management. 2 hours. Schedules; reports; attendance records, and parent-teacher-principal-pupil relationships; modern trends and practices in curriculum organization; planning the educational program; intended as a culminating course in the preparation for elementary school teaching. Prerequisite: Concurrent with Student Teaching or consent of instructor. Educ. 489 must be taken concurrently.

11-488 — Social and Philosophical Foundations of American Education. 3 hours. A study of the American Public School System, its development, problems and practices, together with various issues which are involved with its relation to society. Consideration will be given to philosophical ideas and their influences.

11-489 — Pre-Student Teaching Lab. 1 hour. Elementary education students will spend a minimum of thirty clock hours in the classroom where they are assigned for student teaching the five Wednesdays preceding the student teaching experience. The practicum is to be taken concurrently with 11-487.

11-490 — Beginning of School Experience. 0-1 hour. The objectives for the student teacher in this pre-student teaching experience are to gain a first hand knowledge and understanding of the opening of school, to become acquainted with the school personnel, to acquire a preview of materials and assignments, and to gain a longitudinal view of the teaching-learning process. It requires a minimum of 30 hours at the school site where the student is assigned for student teaching. The student must be planning to enroll in 11-484, 485, or 488 for the current school year. Pass/Fail grading.

11-497 — Audio-Visual Instructional Media. 2 hours. This course includes theory and practice in the use of audio-visual media in the classroom with laboratory experience in the operation of sound-film projectors, film-strip

projectors, opaque projectors, and other equipment.

11-520 — History and Philosophy of Early Childhood Education. 3 hours. Examines current curriculum issues from philosophical, historical and theoretical perspectives. Fundamental ideas which have influenced early childhood programs will be studied. The course provides a review and analysis of research findings, experimentation and current trends in early childhood education.

11-525 — Diagnosis in Reading, 3 hours. An overview of the basic principles, nature, causes and diagnoses of reading difficulties. Included in the course is information to help teachers translate diagnostic information of disabled readers into corrective methods for instructional practice. Other focal areas include: factors influencing a student's reading development, group and individual diagnosis, current research in identifying children with perceptual, visual, or auditory problems, and improvement of corrective reading skills. This course is a departmentally approved elective for the requirement in the language arts area. Prerequisite: Education 357.

11-526 — Instructional Methods of Early Childhood Curriculum. 3 hours. Explores the educational needs of young children through analysis of play, science, art, music, mathematics, language and pre-reading experiences. A further emphasis is placed on organization of balanced daily programs, planning and using materials of instruction, pupil evaluation, parent communication, classroom environment and needs of special children. Includes a three-week practicum in local preschools or day care centers.

11-535 — Current Trends in Mathematics for the Elementary School. 3 hours. Topics in the course will include the impact of Piagetian thinking and research, current trends in mathematics content and teaching techniques. Activities will include survey of current math text series, development in use of math Piaget tasks, making an instructional aid and selecting and/or developing activities or games for a learning center or topic.

11-561 — Statistics. 4 hours. Same as Educ. and Math 341.

11-562 — Measurement and Evaluation. 2 hours. Review of the basic principles of measurement, practice in evaluation, administering and interpreting results of measures of achievement, general and special abilities, personality and interests. Individual projects in measurement and evaluation will include summarizing the evaluation procedures of special education procedures for the different areas of exceptionality, study of instruments used in assessing exceptional

children, and working under the supervision of one special education teacher in a practicum experience during the semester.

11-576 — Survey of Exceptional Children. 3 hours. An overview of exceptionality: gifted, health impaired, mentally retarded, physically impaired, socially maladjusted, learning disabled, and emotionally disturbed. These will all be studied. The psychology of exceptionality will be used as a basis for consideration of each area. Practitioners in these special education areas will make presentations from their respective field of expertise. Elementary education majors take this course along with Education 407 — Practicum in Special Education — to fulfill the Exceptionality requirement. Secondary education students may take this course along with Secondary Education Exceptionality Modules V and VI.

11-600-699 — Graduate Level Courses. Open to some seniors. See Director of Graduate Studies.

Library Science — 12

12-201 — Use of Libraries and Information Sources. 2 hours. Practical information on the use of books, the Dewey classification, the card catalog, printed indices, bibliographies, and other reference books.

12-364 — Children's Literature. 2 hours. A survey and critical analysis of children's literature to aid in the selecting of reading material for children from the pre-school age through the elementary grades.

12-368 — Books for Young People. 2 hours. Concerned with the reading problems of the high school student. Analysis of books as an aid to the guidance of the individual student and a study of the available reading materials for this age group. Requires wide reading of books and corresponding bibliographical work.

12-497 — Audio-Visual Aids to Learning. 2 hours. Same as Educ. 497.

Psychology — 13

WILLIAM BELL (1970)

Professor of Psychology; Chairman of Department

B.A., 1961; M.A., 1967, Wheaton College
Ph.D., 1975, Northwestern University

FRANKLIN GARTON (1979)

*Assistant Professor of Psychology;
Director of Career Planning and
Placement Center*

B.A., 1958, Olivet Nazarene College
M.A., 1965, Ball State University
Instructor's Certificate, 1976, LaVerne,
Calif. Hospital
Instructor's Certificate (AMITY), 1978,
Pine Haven Psychiatric Hospital,
Grand Rapids, Mich.

JIM D. KNIGHT (1975)

*Assistant Dean of Instruction;
Registrar; Director of Institutional
Research; Assistant Professor of
Psychology*

B.A., 1966, Trevecca Nazarene College
M.S., 1973, University of Tennessee

CAROLYN SECHRIST (1977)

Professor of Psychology

B.A., 1968, Olivet Nazarene College
M.A., 1972, Rosemead Graduate School
Ph.D., 1975, Rosemead Graduate School

The objective of the Department of Psychology is to acquaint students with the science of behavior and the principles which contribute to optimal personality development, good interpersonal relationships, and the effective understanding and influence of human behavior. The faculty seek to uphold the highest ideals of Christian citizenship and a Christian philosophy of humanity and the world.

The department specifically provides students with four opportunities: First, it offers the specific training necessary for admission to graduate school programs in clinical, counseling, developmental, educational, industrial, social, experimental and school psychology. Second, for those who wish to move directly into a psychological vocation, the department provides students sufficient background in principles and practice to respond to the demands of their vocation. Third, the

department enables students from other fields such as education, religion, business, and the social sciences, to become acquainted with the principles of human behavior which may be applied in their vocations. Fourth, the department seeks to give students sufficient intrapersonal and interpersonal understanding to optimize the development of healthy personalities and relationships.

To accomplish these objectives, the following options are available. Psychology 101 or 211 or 212 is a prerequisite for all upper division courses in Psychology. Psychology 101 is the recommended entry level course unless a similar course has been taken by the student in high school.

Psychology Major, 30 hours. B.A. or B.S.

Required:

- Psy. 211—Child Developmental Psychology
- 212—Adolescent and Adult Developmental Psychology
- 203—History and Systems of Psychology
- 301—Advanced General Psychology

One of these options is suggested:

A. Recommended courses for graduate school:

- Psy. 341—Psychological Statistics
- 342—Research Method and Design
- 343—Learning and Behavior Modification
- 345—Physiological Psychology
- 361—Theories of Personality
- 449—Experimental Research Project
- 463—Psychopathology
- 492—Psychological and Biblical Integration

and suggested supporting courses:

- Biol. 121—General Zoology
- 245—Human Anatomy and Physiology
- Math. 250—Compiler Languages

B. Recommended courses for service vocations in psychology:

- Psy. 311—Psychology of Personal Adjustment
- 321—Social Psychology
- 322—Group Dynamics
- 343—Learning and Behavior Modification
- 361—Theories of Personality

- 463—Psychopathology
- 466—Psychology of Counseling
- 467—Psychotherapy
- 492—Psychological and Biblical Integration

C. Recommended courses for students in Christian service, social service, education, business and other fields, who desire a second supporting major or minor:

- Psy. 311—Psychology of Personal Adjustment
- 321—Social Psychology
- 322—Group Dynamics
- 343—Learning and Behavior Modification
- 424—Psychology in Business and Industry (Business majors)
- 466—Psychology of Counseling
- 492—Psychological and Biblical Integration (Christian service majors)

D. Pre-Physical Therapy

A student seeking a graduate program in Physical Therapy may major in Psychology at Olivet. See the Department of Physical Education for details.

Minor or Teaching Minor: 20 hours

Required:

- Psy. 211—Child Developmental Psychology
- or 212—Adolescent and Adult Developmental Psychology
- 203—History and Systems of Psychology
- 301—Advanced General Psychology

General Courses

13-101 — Introduction to Psychology. 3 hours. An introductory course in the scientific approach to the study of human behavior. The facts and principles of human behavior pertinent to everyday life are stressed. Recommended course for general education credit.

13-202 — Educational Psychology. 4 hours. Same as Educ. 249-250. Prerequisite: Psy. 101, 211 or 212.

13-203 — History and Systems of Psychology. 3 hours. A history of the field of psychology with particular emphasis on the theoretical

development from the prescientific era to the present time. Prerequisite: Psy. 101, 211 or 212.

13-211 — Child Developmental Psychology. 3 hours. A study of human physical, intellectual, emotional, perceptual, social and personality development from conception to puberty. It is recommended that 211 precede 212 if both courses are taken.

13-212 — Adolescent and Adult Developmental Psychology. 3 hours. A study of human physical, intellectual, emotional, perceptual, social and personality development from puberty to death. It is recommended that 211 precede 212 if both courses are taken.

13-222 — Psychology of Human Communication. 3 hours. Same as Sp. Comm. 222.

13-301 — Advanced General Psychology. 3 hours. An advanced survey and review of the theory and research in psychobiology, learning, development, personality, adjustment, social psychology, psychopathology, and psychotherapy. Special emphasis will be placed on sensation and perception, motivation and emotion, intelligence and psychological testing. Prerequisite: 12 hours of Psychology including 203.

13-311 — Psychology of Personal Adjustment. 3 hours. The objective of this course is to give a general orientation to the subject of personal adjustment with some emphasis placed on mental hygiene. The individual and cultural determinants of behavior will be discussed. Prerequisite: Psy. 101, 211 or 212.

13-321 — Social Psychology. 3 hours. This course considers the social factors which operate in influencing the behavior of the individual. Emphasis is given to the description and evaluation of the methods of measurement and techniques of investigation for the social psychologist. Prerequisite: Psy. 101, 211 or 212.

13-322 — Group Dynamics. 3 hours. Same as Sp. Comm 348.

13-424 — Psychology in Business and Industry. 3 hours. A survey of the theory, research and strategies used in business, industry and government in the following areas: (a) personnel selection, assessment and training, (b) human engineering, motivation, work efficiency and job satisfaction, (c) organizational structure and dynamics, (d) leadership and supervisory training, (e) employee counseling. Prerequisite: Psy. 101, 211 or 212.

13-492 — Psychological and Biblical Integration. 3 hours. Emphasis is placed on the relationship between psychological and biblical perspectives, particularly in areas that directly influence and apply to the personal psychological and spiritual process of the individual. Specific areas of concentration will be unique

according to the instructor. Seniors only, or permission of the instructor.

13-499 — Special Topics in Psychology. 1-3 hours. A departmentally approved project where a major may pursue a subject of particular interest not already treated extensively in a regular course.

Experimental Courses

13-341 — Psychological Statistics. 4 hours. Same as Math 341.

13-342 — Research Method and Design. 3 hours. A survey of the methods of gathering, interpreting and communicating psychological data with emphasis on the experimental method and psychological testing. Topics include psychological measurement and scaling techniques, the various types of research designs, report writing and interpretation, graphical reporting of data, and bibliographical sources in psychology. Psych. 342 is a recommended prerequisite for 341 and 343.

13-343 — Learning and Behavior Modification. 4 hours. A survey of the basic types of learning and the variables which influence the learning process. Emphasis is placed on the theoretical and applied aspects of human behavior change. Recommended prerequisite: Psychology 203.

13-345 — Physiological Psychology. 3 hours. This course acquaints students with the neurological and glandular bases of learning, sensation, perception, and behavior. Lecture and laboratory experiences are included.

13-449 — Experimental Research Project. 1-3 hours. A departmentally approved experimental research project designed, conducted and written up by the student. Prerequisites: Eighteen hours of psychology including Psych. 341, 342, and one of 301, 343 or 345.

Clinical and Counseling Courses

13-361 — Theories of Personality. 3 hours. A study is made of the conceptualizations of personality that are acceptable to the various theoretical positions. Also, consideration is given to the many factors that affect the personality development of the individual. Emphasis is placed on what is considered normal personality. Recommended prerequisite: Psy. 203.

13-462 — Psychological Testing. 3 hours. Same as Education 562.

13-463 — Psychopathology. 3 hours. A comprehensive study of the various types of personality and behavioral abnormalities, including their

etiology, symptoms, dynamics and treatment. A comparison is made between normal and maladaptive functioning. Prerequisite: 12 hours of Psychology, or permission of the instructor.

13-466 — Psychology of Counseling. 3 hours. A study of the process of psychological counseling with emphasis on effective counselor characteristics, the initial session, facilitative relationship, goals, strategies, termination, ethical issues within counseling, and the development of a personal counseling model. Application will be made to interest areas such as crisis intervention, pastoral counseling, marriage and family counseling, social work, and personnel services. Prerequisites: Psy. 101, 211 or 212, and permission of the instructor.

13-467 — Psychotherapy. 3 hours. A survey of the major concepts and practices in contemporary psychotherapy and counseling. Emphasis will be given to psychoanalysis, individual psychology, transactional analysis, and client-centered, existential, gestalt, rational-emotive, reality, and behavior therapies. Attention will be given to the development of effective therapist characteristics and a personal therapy model. Prerequisites: Psy. 361 or 463 or permission of the instructor.

13-469 — Field Experience. 5 hours. The student will work 16 hours per week in an approved agency under the supervision of a professionally trained staff member. This will be arranged according to the interests of the student. Open only to senior psychology majors.

Physical Education — 14

LARRY D. WATSON (1965)
Assistant Professor of Physical Education, Acting Chairman of the Department, Athletic Director.
B.S., 1965, Olivet Nazarene College
M.A., 1968, Western Michigan University

CAROL DOENGES (1968)
Assistant Professor of Physical Education
B.A., 1967, Olivet Nazarene College
M.Ed., 1971, University of Illinois

RALPH HODGE (1979)
Instructor of Physical Education
B.A., 1976, Olivet Nazarene College
Graduate Studies, Western Illinois University

THOMAS S. KNOWLES (1982)
Assistant Professor of Physical Education
B.A., 1974, Cedarville College
M.A., 1976, Ball State University

BRENDA PATTERSON (1978)
Assistant Professor of Physical Education
B.S., 1975, Trevecca Nazarene College
M.Ed., 1977, Middle Tennessee State University

KENNETH RICHARDSON (1978)
Assistant Professor of Physical Education
B.S., 1973, Olivet Nazarene College
M.S., 1982, Eastern Michigan University

The physical education department offers a service program in physical education as well as professional training leading to a major. An extensive intramural and intercollegiate sports program is also sponsored by the Department.

The Department of Physical Education has as its objectives the promotion of good health practices in the lives of all students, the development of Christian character through sportsmanship and cooperative team play, the teaching of worthy use of leisure time, arousing interest and developing skills in games and recreational activities, and providing students majoring in Physical Education with the fundamental knowledge and skill required for effective service to society.

Two semester hours of health and/or physical education are required of all students. At least one of the hours must be in activity courses. Veterans may apply at the Registrar's office for credit covering service experience in the Armed Forces. In cases in which inability is certified by the school physician, substitutions may be arranged of the same number of hours in zoology, hygiene, or first aid.

The practicum courses consist of inservice training available upon approval by the department head under close supervision of a department faculty member. They will allow training in the areas of intramurals, physical education, recreation, athletics.

All Health and Physical Education majors and minors in the Teacher Education Program must obtain a grade of C – or above in all Physical Education, Health and required supporting courses to meet the requirements for graduation.

Physical Education Major, 38 hours. B.A. or B.S.

Course work designed for those interested in YMCA, YWCA or other recreation fields.

Required:

- P.E. 121 or 122 or 123 — Conditioning, and at least 3 activity courses selected from P.E. 102-119.
 149 — Careers and Concepts in P.E.
 225 — Methods of Teaching Individual Sports
 241 — First Aid and Emergency Care
 274 — Outdoor Education
 362 — Care of Athletic Injuries
 367 — Methods and Materials in Physical Education for the Elementary School
 471 — Organization and Administration of P.E.
 472 — Kinesiology
 or 360 — Physiology of Exercise

And 13 additional hours from the department, including one hour of courses selected from:

- P.E. 114 — Swimming
 115 — Lifesaving
 116 — Scuba
 131 — Tennis

Required supporting courses:

- Bio. Sci. 121 — General Zoology
 245 — Anatomy and Physiology

Also recommended:

Take as many activity courses as possible, P.E. 100-130, and 370 — Adaptive and Corrective P.E.

Physical Education Teaching Major, 35 hours. B.A. or B.S.**Required:**

- P.E. 121 or 122 or 123 — Conditioning, and at least 3 activity courses selected from P.E. 102-119.
 149 — Careers and Concepts in P.E.
 225 — Methods of Teaching Individual Sports
 352 — Tests and Measurements in P.E.
 360 — Physiology of Exercise
 362 — Care of Athletic Injuries
 367 — Methods of P.E. — Elementary
 370 — Adaptive and Corrective P.E.

- 471 — Organization and Administration of Physical Education
 472 — Kinesiology

And 6 additional hours selected from:

- P.E. 221 — Basketball Coaching
 222 — Track and Field Coaching
 223 — Baseball Coaching
 224 — Football Coaching
 226 — Training and Coaching the Woman Varsity Athlete
 227 — Team Sports Officiating
 229 — Methods of Teaching Team Sports

Required supporting courses:

- Bio. Sci. 121 — General Zoology
 245 — Anatomy and Physiology
 The Professional Educational Sequence including P.E. 364 in Methods.

Physical Therapy — Pre-Professional Program

A fully certified program in Physical Therapy is customarily offered only with graduate work in a university. At the undergraduate level, a person interested in Physical Therapy would major in Physical Education, Biological Science or Psychology. In addition, completion of the following courses is strongly recommended. These are most often required for admission to the graduate schools:

- Phys. Educ. 114 — Swimming
 or 115 — Lifesaving
 360 — Physiology of Exercise
 362 — Care of Athletic Injuries
 370 — Adaptive and Corrective P.E.
 472 — Kinesiology

- Biology 121 — General Zoology
 245 — Anatomy and Physiology
 361 — Vertebrate Zoology
 455 — Human Physiology

- Psychology 101 - Introduction to Psychology
 211 — Child Developmental Psychology
 311 — Personal Adjustment
 345 Physiological Psychology

- Chemistry 101 or 103 — Introduction or General Chemistry
 112 or 114 — Chemistry for Life or Physical Sciences

Physics 121 or 201 — Physics I
122 or 202 — Physics II

Math. 131 — Algebra and Trigonometry
or 147 — Calculus I

Speech 101 — Fundamentals of Speech

Physical Education Minor, 16 hours

Required:

P.E. 149 — Careers and Concepts in
Physical Education
Additional courses to be approved by
Department Chairman.

Physical Education Teaching Minor: 24 Hours

Required:

P.E. 149 — Careers and Concepts in
Physical Education
364 — Methods in Secondary Physical
Education
367 — Methods of P.E. — Elementary
471 — Organization and Administra-
tion of P.E.

and 13 additional hours selected from:

221 — Basketball
222 — Track and Field
223 — Baseball
224 — Football
225 — Methods of Teaching Individual
Sports
227 — Team Sports Officiating
229 — Methods of Teaching Team
Sports

Supporting course:

Bio. Sci. 121 — General Zoology

Health Education Teaching Minor, 21 hours

Required:

Phys. Ed 141 — Personal and Community
Health
200 — Intro. to Health Education
241 — First Aid and Emergency Care
301 — Health Educ. in Elementary
School
or 302 — Health Educ. in Secondary
School
340 — Materials and Methods in School
Health
375 — Problems and Programs of
Community Health

Two courses selected from:

Home Ec. 121 — Intro. to Nutrition
352 — Consumer Economics
Psych. 211 — Child Development
212 — Adolescent and Adult
Development
311 — Psych. of Personal Adjustment
Speech 222 — Psychology of Human
Communication
354 — Communication Theory
Biology 241 — Genetics
362 — Human Nutrition
370 — Ecology
560 — Topics in Environmental Science
Sociology 232 — Marriage and Family
Educ. 576 — Survey of Exceptional
Children

Required supporting courses:

Biology 121 — General Zoology
245 — Human Anatomy and Physiology

Courses

14-102-123 — Elective Physical Education.
These introductory courses are designed to
teach fundamental rules and skills in individual
and team activities. Each activity carries ½ hour
credit. The student will normally register for
two activities each semester for 1 hour credit.

102 Archery
103 Basketball
104 Badminton
105 Bowling
107 Flag Football
108 Golf
109 Soccer
110 Outdoor Recreation
111 Softball
112 Tennis
113 Volleyball
114 Swimming (men)
115 Lifesaving
116 Scuba Prerequisite: 115 and
instructor's approval.
117 Bicycling
119 Personal Defense for Women
121 Conditioning for College Men. 1 hour.
122 Conditioning for College Women. 1 hour.
123 Conditioning for Varsity Athletes. ½ hour.

14-131 — Tennis. 1 hour. A course outlined
for beginning players. Emphasis is placed on
the development of fundamental skills.

**14-141 — Personal and Community Health.
2 hours.** The study includes essentials of per-
sonal and community health. Fundamentals of
health science, scientific prevention of illness,

dynamics of health in the individual and family are studied. Same as Biology 141.

14-149 — Careers and Concepts in Physical Education. 3 hours. To describe and illustrate the purposes of American physical education, the knowledge about science and society which contributes to the discipline, the career possibilities available to professionals, and responsibilities of successful physical educators.

14-200 — Introduction to Health Education. 2 hours. The philosophy, aims, objectives and principles of health education. Emphasis on the school health education program.

14-221 — Basketball. 2 hours. An intensive study of the rules and problems relative to the development of successful offensive and defensive play. For P.E. majors and minors only.

14-222 — Track and Field. 2 hours. The study and practice of the various coaching techniques in track skills, methods of training and conditioning, and the methods of administering track meets. For P.E. majors and minors only.

14-223 — Baseball. 2 hours. This course combines the rules and coaching techniques of baseball. For P.E. majors and minors only.

14-224 — Football. 2 hours. A study of rules, coaching techniques and problems relative to the development of successful offensive and defensive play. For P.E. majors and minors only.

14-225 — Methods of Teaching Individual Sports. 3 hours. Techniques and skills necessary for giving instructions in individual sports will be stressed.

14-226 — Training and Coaching the Woman Varsity Athlete. 2 hours. A study of the psychological and physical concepts of coaching women athletes. Concentration on specific coaching techniques, drills, strategies and training for selected sports.

14-227 — Team Sports Officiating. 3 hours. A study of techniques, team play, rules, and rule interpretation with emphasis on proper mechanics and judgment in officiating. Practical experience obtained.

14-229 — Methods of Teaching Team Sports. 2 hours. Techniques and procedures for teaching a number of selected team sports including softball, soccer, volleyball, and basketball.

14-241 — First Aid and Emergency Care. 2 hours. Vital and practical applications and procedures in caring for an injured person, including safety, Heimlich method in choking, splinting and bandaging.

14-274 — Outdoor Education. 2 hours. A study of the approved techniques for out-of-door living and recreation with opportunity for the student to develop skills in the various areas covered.

14-301 — Health Education in the Elementary School. 3 hours. An introduction to health education in the elementary school designed to acquaint the teacher with contemporary concepts of health education in the elementary school. Emphasis will be on learning, identifying and dealing with the health needs and problems of the elementary child. A significant portion of the course activities will be the planning, execution and evaluation of appropriate clinical experiences.

14-302 — Health Education in the Secondary School. 3 hours. An introduction to health education in the secondary school. Emphasis will be on learning, identifying and dealing with the health needs and problems of the secondary student. A significant portion of the course activities will be the planning, execution and evaluation of appropriate clinical experiences.

14-340 — Methods and Materials in School Health. 3 hours. Health education programs in elementary and secondary schools. Materials and problems involved in teaching health, and the promotion of a healthful environment.

14-352 — Tests and Measurements in Physical Education. 3 hours. The application of the principles and techniques of educational measurement to the teaching of health and physical education; study of the functions and techniques of measurement in the evaluation of student progress toward the objective of health and physical education, and in the evaluation of the effectiveness of teaching.

14-360 — Physiology of Exercise. 3 hours. Study of various systems of the human body when subjected to various degrees of physical work. Prerequisite: Biology 245.

14-362 — Care of Athletic Injuries. 3 hours. A course designed to meet the needs of high school instructors and coaches in the presentation, treatment and care of injuries and techniques of taping.

14-364 — Methods in Secondary Physical Education. 2 hours. This course will deal with the methods, materials, and techniques pertinent to the teaching of Physical Education in the secondary school program. Special attention will be given to the interpretation of the developmental needs of the adolescent in terms of activity. 1 hour Laboratory. Prerequisite: P.E. 225 for men or P.E. 229 for women. Taken concurrently with Educ. 480.

14-367 — Methods and Materials in Physical Education for the Elementary School. 3 hours. A study of various methods used in teaching physical education in Grades K-6. The course includes lesson and unit planning, organizational procedures and methods used in teaching

basic movement, stunts and tumbling, rhythms, and sports skills.

14-370 — Adaptive Physical Education. 3 hours. A course designed to acquaint the student with the principles of planning and conducting an adaptive physical education program to meet the needs of handicapped students. The public laws and their applications to the physical educator are included.

14-375 — Problems and Programs of Community Health. 3 hours. Community health needs, including the role of governmental agencies. Emphasis on the relationship between community and school health education programs.

14-471 — Organization and Administration of Physical Education. 3 hours. A study of the aims and objectives of physical education as related to those of general education. Principles of dealing with finance, school-home relations, scheduling, eligibility, the press, maintenance, and personnel are studied.

14-472 — Kinesiology. 3 hours. Study of the human body in motion. Prerequisite: Biology 245.

14-490, 14-492 — Intramural Practicum. 2 to 4 hours. A course designed to give first hand experience in the organization and administration of intramurals. In-service training involving setting up activities, advertisement of the program, setting up and conducting tournaments and officiating. A student may enroll in this course twice for a maximum of four hours; two hours each experience. Prerequisite: Application to and approval of Chairman of the Department.

14-494, 14-496 — Practicum in Physical Education, Athletics & Recreation. Designed to give the physical education major a first hand experience in the instruction of physical education, recreation, and coaching. This experience ordinarily will be preliminary to and will assist the student in his preparation for student teaching. A student with a non-teaching major may enroll in this course for in-service training to be set up at the YMCA. A student may enroll in this course twice for a maximum of four hours; two hours to be obtained in each of two clearly defined areas. Prerequisite: Application to, and approval of the Department Chairman.



The Olivet men's basketball team played Spring Arbor College in the Pontiac, Michigan, Silverdome in 1982 and 1985.



Nursing students practice with each other in learning how to do a professional physical assessment in Wisner Hall for Nursing Education.

Division of Nursing Education — 15

Albertta David, Chairwoman

The philosophy of the Nursing Division includes the belief that professional nursing focuses on man and his environment for the purpose of promoting, maintaining, and/or restoring an optimum level of health. The nursing student practices in a variety of health care settings. Practicums include experience with individual and group health counseling and education, preventive care, acute and long-term care.

The purposes of the Division of Nursing are to prepare professional nurses who: (1) practice in episodic and distributive settings; (2) assume leadership in providing health care; (3) effect change and improve health care delivery; (4) accept responsibility for continuing personal and professional development; and (5) are qualified for graduate studies.

The Nursing Division has approval from the Illinois Department of Education and Registration, and is accredited by the National League for Nursing.

ALBERTTA DAVID (1978)

*Associate Professor of Nursing;
Chairwoman of Division*

Diploma, 1960, Philadelphia General Hospital

B.S.N., 1965, Goshen College

M.S.N., 1970, University of Pennsylvania
University of Illinois

LOIS BARNETT (1979)

Assistant Professor of Nursing

B.S.N., 1975, Governor's State University

M.S., 1979, DePaul University

M.S.N., 1979, Governor's State University

FRANCINE CLARK (1984)

Assistant Professor of Nursing

B.S.N., 1974, University of Wisconsin

M.S.N., 1981, Pennsylvania State University

LINDA DAVISON (1984)

Assistant Professor of Nursing

B.S.N., 1979, Governor's State University

M.S.N., 1983, Governor's State University

RANELLE EIGSTI (1974)

Teaching Assistant

B.S., 1971, Olivet Nazarene College

M.S.N., 1985, St. Xavier University

AMY GOLYSHKO (1981)

Assistant Professor of Nursing

B.S., 1975, North Park College

M.S., 1982, Northern Illinois University

LINDA GREENSTREET (1983)

Assistant Professor of Nursing

A.A., 1971, Belleville Area College

B.S., 1978, Olivet Nazarene College

M.S.N., 1985, Governors State University

LEONA C. HAYES (1970)

Associate Professor of Nursing

B.S., 1954, University of Denver

A.B., 1955, Seattle Pacific College

Certificate in Nurse-Midwifery, 1960,
Frontier Nursing Service

M.S., 1964, University of California
University of Illinois

SUSAN HOBBS (1983)

Assistant Professor of Nursing

B.S., 1976, Olivet Nazarene College

M.S.N., 1983, University of Alabama

JANICE HOLMES (1984)

Assistant Professor of Nursing

B.S.N., 1956, Illinois Wesleyan University

M.S.N., 1978, Northern Illinois University

CHARLOTTE KECK (1974)

Assistant Professor of Nursing

B.S., 1964, Goshen College

M.S., 1974, Northern Illinois University

PHYLLIS REEDER (1979)

Assistant Professor of Nursing

Diploma, 1960, South Chicago Community Hospital

B.S., 1975, Olivet Nazarene College

M.S.N., 1979, University of Illinois

LORETTA REINHART (1979)

Associate Professor of Nursing

Diploma, 1961, Grant School of Nursing

B.S., 1972, Olivet Nazarene College

M.S.N., 1979, Case Western Reserve
University

University of Illinois

LORAMAE RENTFRO (1978)

Assistant Professor of Nursing

B.S.N., 1967, Washington University

M.S., 1979, Northern Illinois University

Temporary and Part Time Faculty

LOIS BARNETT (1979)

B.S.N., 1975, Governor's State University

M.S., 1979, DePaul University

M.S.N., 1979, Governor's State
University

GLADYS NOGUERA (1976)

M.S., 1979, St. Xavier University

The professional nurse who graduates from Olivet Nazarene College is prepared to promote, restore and maintain wellness by assisting individuals, families and communities to effectively adapt to a changing environment.

The upper division curriculum in Nursing builds on the broad liberal arts foundation. Liberal arts provide the background for students to understand the biological, psychological, social and spiritual dimensions of Man. This broad base is then combined with nursing theory and applied in the context of clinical practice.

Students may apply for admission to the Nursing major at the end of their freshman year (approximately 30 semester hours). They may be accepted if they have completed five of the nine supporting courses with no grade less than C (2.0), have an ACT Composite Score of 18 or higher, and have a cumulative grade point average of at least 2.5 on a 4.0 scale.

Students who do not meet requirements for admission to the nursing major as freshmen will have admission delayed and will be re-evaluated at the end of the fall semester of the sophomore year.

All students must submit evidence of good health in accordance with Illinois Department of Health regulations for health care agency personnel. Persons seeking admission are expected to be well in mind, body and spirit. Students who have special health problems or physical handicaps will be reviewed by the division to determine the extent to which their particular problem or handicap may interfere with the practice of nursing. All decisions of the division are final.

If it becomes necessary to limit the numbers in the nursing program, the criteria for acceptance will include grade point average, aptitude tests, personal references, and evidences of maturity and traits which would indicate success as a professional nurse.

Transfer students are accepted on a limited basis after all qualified prenursing students have been placed. Students wishing to transfer must have completed all the supportive courses and meet the same criteria as students who began their college work at Olivet.

Students from countries other than the United States must have their high school transcripts evaluated by the Illinois Department of Registration and Education prior to admission to the nursing major.

Continuation in nursing is contingent upon the maintenance of a grade point average of 2.2, completing supporting and major courses with a grade of C (2.0) or above, and personal and professional development.

Nursing Major: 50 hours. B.S.

Required:

Nursing 202 — Introduction to Professional Nursing

222 — Basic Concepts in Nursing

353 — Nursing Care of Individual and Family I

354 — Nursing Care of Individual and Family II

474 — Nursing Care of Family and Community I

475 — Nursing Care of Family and

Community II

491 — Nursing Seminar

493 — Research Seminar

To be supported by:

Chem. 101 — Introduction to Chemistry

112 — Chemistry for the Life Sciences

Bio. 121 — General Zoology

245 — Human Anatomy and Physiology

356 — Microbiology

362 — Human Nutrition

Psych. 211 — Child Developmental

Psychology

212 — Adolescent and Adult

Developmental Psychology

Sociology 121 — Introductory Sociology

Courses

15-202 — Introduction to Professional Nursing. 3 hours. Professional nursing, its historical emergence, characteristics, ethics and unique role in health care are presented. Critical thinking, theory development and application are examined as well as the nature, purpose and process of research.

15-222 — Basic Concepts in Nursing. 7 hours. Presentation of basic concepts related to man, health, environment and nursing, with emphasis on the well individual who is adapting effectively to changes in the environment. Theory is applied to provide care to selected clients in clinical settings. Research studies will be critiqued. Prerequisites: Chem. 101 and 112; Biology 121, 245, 356, 362; Psychology 211, 212; Sociology 121.

15-223 — Elements of Professional Nursing. 3 hours. Presentation of man, health, the environment and nursing to those with a previous background in nursing. This course will feature independent learning assignments and a weekly seminar with a faculty member. Prerequisites: Chem. 101, 112; Biology 121, 245, 356, 362; Psychology 211, 212; Sociology 121.

15-324 — Nursing Process Applied to the Well Individual. 4 hours. Focuses on wellness and the individual. The nursing process is used as a systematic framework for providing nursing care. Clinical application of theory and nursing skills is stressed. Prerequisite: Nursing 223.

15-341 — Statistics. 4 hours. Same as Mathematics 341.

15-353 — Nursing Care of the Individual and Family I. 10 hours. Applications of the nursing process to the ill individual and the family. Theory and practice center on nursing intervention with the client who is using ineffective

adaptation. Special emphases include the functional family and stressors such as child bearing, illness and surgery. Prerequisites: Nursing 202, 222.

15-354 — Nursing Care of the Individual and Family II. 10 hours. A continuing study of the application of the nursing process to the individual and family across the life span. This course builds upon the knowledge and skills gained in Course 353. Focus is placed on more complex care, planning, intervention, evaluation and revision are expected of the student has she/he functions to promote, maintain and restore health of individuals and families.

15-355 — Nursing Process Applied to the Individual and Family. 6 hours. Study of the changes in family structure, roles and functioning which come about because of an ill family member.

15-474 — Nursing Care of the Family and Community I. 8 hours. Study of seriously ineffective or life threatening adaptation which clients experience, and how the nurse intervenes. Prerequisites: Nursing 202, 222, 353, 354.

15-475 — Nursing Care of the Family and Community II. 8 hours. This course continues the discussion of the nursing care which is provided to the seriously ineffective adaptations and crises experienced by families and communities. Prerequisite: Nursing 474.

15-491 — Nursing Seminar. 2 hours. Provides a forum for exploration and discussion of issues and trends affecting nursing, from historical and current viewpoints. The focus is on areas of concern for nursing as a profession, nursing practice, and nursing education. Research and legislation affecting these issues is reviewed. The concept of role transition from student to practitioner is discussed and opportunities for continued professional growth are explored. Prerequisite: Nursing 353, 354.

15-493 — Research Seminar. 2 hours. The major objective of the course is for the student to select a problem, plan the research, including the construction of a data gathering device, collect and analyze the data, draw conclusions, and prepare a research report. An emphasis is the importance of the study of nursing, i.e., patient education, standards, service. Prerequisite: Nursing 351, 352.

15-494 — Independent Nursing Study. 1-3 hours. The purpose of this course is to provide an opportunity for the senior level student to select an area of interest, and to develop and operationalize a plan for independent study. Learning experiences are individually arranged in health care settings selected by the student. Prerequisite: Nursing 353, 354.

Degree Completion Program for Registered Nurses

Admission Policies and Procedures

Registered nurses are accepted at Olivet in the same manner as generic students and are under the same policies. It is the desire of the Division of Nursing to assist the registered nurse in the pursuit of the baccalaureate degree with a minimum of repetitive learning.

1. Application forms and credentials are submitted to the Olivet Admissions Office.

2. In addition, the applicant must submit a copy of the current nursing license to the chairperson of the Division of Nursing.

3. The American College Test is not required.

4. Application can be made to the Division of Nursing when all supporting courses have been completed with a grade of "C" or better.

Methods of Achieving Credits

1. *Registration at Olivet Nazarene College*
(a) All courses may be taken as offered at Olivet. (b) Liberal arts and science courses may be challenged by examination (See "Proficiency Examinations in Chapter 6). Up to 17 hours of nursing courses may be challenged in addition to the above.

2. *College Level Examination Program (CLEP)* All CLEP credits will be accepted as stated in Chapter 6 of the *Catalog*. The Natural Science CLEP will not be accepted as a supporting course, but could be used as an elective.

3. *Transfer Credits*
Students earning credits from another college can apply for transfer of those courses. Official transcripts must be evaluated by the registrar before any credit can be accepted. All courses must have a grade of "C" (2.0) or better to be transferred.

General Policies and Information

1. If science courses taken for credit are older than 5 years, the student must repeat the course or take the proficiency exam.

2. Science courses do not have to transfer hour-for-hour as long as the science core totals at least 21 hours. The generic student total is 23 hours. To make up hour deficits, the following science courses are

recommended: Pharmacology, Epidemiology, Ecology, Embryology.

3. One hour of nutrition may be waived if a 3 hour nutrition course is transferred instead of a 4 hour course.

Nursing Major Policies and Information

1. All proficiency exams must be completed to qualify for advancement into senior level nursing courses. Failure to pass a proficiency exam requires the course to be taken.

2. All registered nurses are required to take 15-223 — Elements of Professional Nursing, 15-324 — Nursing Process Ap-

plied to the Well Individual, and 15-355 — Nursing Process Applied to Individual and Family.

3. Placement in clinical nursing courses is contingent upon available space. Preference will be given to generic students, then to full-time RN students. However, students will be placed so that there will be no hardship in completing the program.

4. Students are required to give 4 weeks notice to the Division and appropriate instructor of intent to proficiency a course for credit. The procedure for proficiency application is stated in Chapter 6 of this catalog.



Seniors of the Nursing Division are considering their opportunities for graduate studies as well as career placement.



Music students have individualized lessons in instruments, voice, piano and organ. Dr. Harlow Hopkins is giving direction to these two clarinetists in his studio in the Larsen Fine Arts Center.

Division of Fine Arts

Fine Arts — 21

Art — 22

Applied Music — 23

Church Music — 24

Music Education — 25

Music Literature — 26

Music Theory — 27

Harlow Hopkins, Chairman

The Division includes the Departments of Art and Music.

The objectives of the Division of Fine Arts are twofold. Realizing that a knowledge of the fine arts is a vital part of any liberal education, the Division attempts (1) to develop an intelligent appreciation of, and desire for, the arts that will be of lasting value in the life of every student; and (2) to prepare those professionally interested in the area of music.

Fine Arts — 21

21-101 — Introduction to Fine Arts. 3 hours. A general education course designed to give the student an understanding of the basic structural similarities in the aural art of music and the visual arts of painting, sculpture, architecture.

21-177, 21-178, 21-377, 21-378 — Radio Workshop. 1 hour each semester. A study of the equipment and materials used in broadcasting, including the operation of control room equipment (mixing panel, record turntables, tape machines, etc.) and the writing and delivery of material for broadcasts of a sacred and secular nature: commercials, newscasts, and devotional programs.

Art — 22

HARVEY A. COLLINS (1953)
*Associate Professor of Fine Arts;
Chairman of Department*

B.F.A., 1951, University of Florida
M.F.A., 1952, University of Florida

JAMES THOMPSON (1979)
Assistant Professor of Art
B.A., 1969, Pasadena College
M.A., 1975, California State University,
Long Beach

The courses offered by the Department of Art are aimed at developing greater appreciation and enjoyment of art for all students. An emphasis is placed on the appreciation of past and current art works and on the development of the visual awareness of the student. A variety of courses provides a strong art program.

Art Major, 31-32 hours. B.A. or B.S.

Required:

Art 103 — Drawing I
104 — Drawing II
105 — Crafts
173 — Creative Photography
221 — Ceramics I
223 — Design I
224 — Graphics I
231 — Painting I
370 — Three-Dimensional Design

In addition, students must complete one of the following options:

Option A — Three Dimensional

Art 222 — Ceramics Studio II
261 — Color and Form
371 — History of Western Art
471 — History of Modern Art

Option B — Two Dimensional

Art 232 — Painting Studio II
324 — Graphics II
356 — Advanced Painting
371 — History of Western Art
471 — History of Modern Art

Minor: 20 hours

Required:

Art 103 — Drawing Studio I
105 — Crafts Studio for Elementary Teachers
221, 222 — Ceramics Studio I and II
231 — Painting Studio
Art History, one course

Two hours of Intro. to Fine Arts 101 may be included for credit on the minor.

Teaching Minor: 24 hours

Including the same courses stipulated for the art minor.

Courses

22-103 — Drawing Studio I. 2 hours. A basic course in fundamentals of drawing and composition. An experimental course using a variety of media in the study of line, value, and form.

22-104 — Drawing Studio II. 2 hours. A continuation of experimental drawing. A study of perspective and the use of water color and ink.

22-105 — Crafts Studio for Elementary Teachers. 2 hours. A course in elementary crafts with experimentation in a variety of projects including clay, stitchery, paper mache and wood sculpture. Emphasis on three-dimensional materials.

22-111 — Textile Design. 3 hours. Same as Home Economics 111.

22-173 — Creative Photography. 2 hours. The essentials of handling a camera, developing film, making prints and enlargements to produce a creative image. Special emphasis is given to composition and impact of photographic images.

22-221 — Ceramics Studio I. 3 hours. Experiments in the basic hand building methods in

pottery. A development of skills in preparing clay, mixing glaze, and firing the kiln.

22-222 — Ceramics Studio II. 3 hours. A continuation of experiments in hand built pottery. Work in sculpture and a development of skills in throwing on the wheel.

22-223 — Design Studio I. 2 hours. A basic course in the fundamentals of the visual arts. Experiments in line drawing and black and white paper designs. A choice of individual design problem.

22-224 — Graphics Studio I. 2 hours. A laboratory course investigating the making of visual images in the various graphic processes of etching, lithography, linoleum and wood-block printing. Emphasis would be placed upon creativity and exploration.

22-231 — Painting Studio I. 2 hours. A beginning course for all persons interested in the use of oil paints. Studies in still life, landscapes, and portrait work.

22-232 — Painting Studio II. 2 hours. A continuation in the study of oil techniques. Experience in the use of acrylics and water colors. Emphasis on composition. Prerequisite: Painting Studio I.

22-251 — Commercial Art. 2 hours. This course includes basic letter design by steel pen, brush, paper cutting and stencil; newspaper and advertising layout; study of positive and negative shapes; properties and use of color; fashion illustration; and techniques of creating commercial art.

22-261 — Color and Form. 2 hours. Examines color harmonies and characteristics as they relate to and influence composition. Exercises in varied color media and elements and principles of design are stressed. Areas covered are basic to an understanding of color and composition as they relate to art.

22-324 — Graphics Studio II. 2 hours. A laboratory course emphasizing contemporary print-making techniques of metal and plastic etching, silkscreen, lithography, and wood-block. Graphics Studio 224 is a prerequisite.

22-356 — Advanced Painting. 2 hours. Emphasis is placed on in-depth exploration and development of painting ideas. The student is encouraged toward independent work and participation in studio critiques and seminars.

22-365 — Art Activities for the Elementary School. 2 hours. Same as Educ. 365.

22-370 — Three-Dimensional Design. 3 hours. Examines the composition and plasticity of three-dimensional forms through design and construction involving various media such as plastics, matte board, styrofoam, balsa wood and clay.

22-371 — History of Western Art. 3 hours. A study of the plastic and pictorial expression of art in the western world.

22-465 — Art Methods for the Classroom. 2 hours. A laboratory-classroom course stressing the correlation between Art and other subject areas of the school curriculum. Modern and innovative techniques and media will be explored including t.v., music and visual media. Taken concurrently with Educ. 480.

22-471 — History of Modern Art. 3 hours. A survey course of the visual arts from the late 19th Century up to the present time. Areas to be explored are Impressionism, Dadaism, Expressionism, Abstraction, Op and Pop Art, and Contemporary American Visual Art. Field trips to the Art Institute in Chicago will play an important role in the course.



Music Department

HARLOW E. HOPKINS (1954)

Professor of Music;

Chairman of Division of Fine Arts and Department of Music

B.S. 1953, Olivet Nazarene College

M.S., Mus. Ed., 1956, American Conservatory of Music

Mus.D., 1974, Indiana University University of Illinois

Pupil of Keith Stein, Austin McDowell,

Jerome Stowell, Robert McGinnis and Earl Bates

GERALD ANDERSON (1978)

Assistant Professor of Music

B.S., 1973, Bethany Nazarene College

B.Mus., 1975, Texas Tech. University

M.Mus., 1977, Texas Tech. University

American Conservatory of Music

D. GEORGE DUNBAR (1969)

Professor of Music

B.S., 1958, Olivet Nazarene College

B.S., 1959, Olivet Nazarene College

M.Mus., 1960, University of Illinois

D.M.A., 1970, University of Southern California

ALICE EDWARDS (1971)

Associate Professor of Music

B.Mus., 1969, University of Oklahoma

M.Mus., 1971, University of Michigan

RUTHMARIE EIMER (1976)

Assistant Professor of Music

B.S., 1969, Olivet Nazarene College

M. Mus. Ed., 1977; Advanced Certificate in Music Education, 1982, University of Illinois

IRVING LOWELL KRANICH (1959)

Assistant Professor of Music

B.S., 1954, Olivet Nazarene College

M.Mus., 1961, American Conservatory of Music

Advanced Certificate in Music Education, 1969, University of Illinois

University of Michigan, University of

Washington, Northwestern University

TIMOTHY NELSON (1976)

Assistant Professor of Music

B.A., 1974, Taylor University

M.Mus., 1976, University of Illinois

Associate Certificate — American Guild of Organists

JOE M. NOBLE (1976)

Assistant Professor of Music

B.A., 1956, Luther College

M.A., 1962, University of Iowa

Northwestern University

MARCUS VANAMERINGEN (1980)

Assistant Professor of Music

B.A., 1975, University of Auckland

M.R.E., 1979, Nazarene Theological Seminary

M.Mus., 1980, University of Missouri in Kansas City

The aim of the Music Department is to provide instruction in certain branches of music, so that (1) students may become Christian men and women of highest ideals and usefulness as performers, teachers, church organists, and ministers of music; and (2) students from other divisions of the college, and unclassified students may pursue courses towards a minor, or for elective credit.

General Regulations

The Chairman of the Department shall determine which students shall enroll with each teacher, such enrollment being based primarily upon the needs of the students and the field of specialization of the teacher.

Students who desire collegiate standing or advanced credit in applied music must be prepared to play or sing two or three solo works from standard repertoire before members of the music faculty. Memorization is recommended.

Transferred work in applied music and theory will receive credit subject to examination or to satisfactory study in courses of similar content or in sequence in Olivet Nazarene College. Work taken under private teachers or from unaccredited schools may be validated for credit by the student's passing proficiency examinations.

No student is allowed to study music with a teacher not on the staff of the Department of Music, nor to belong to a musical organization on or off campus, without permission from the Chairman of the Department of Music. Applied music students should not make public appearances without consent of the applied instructor.

Applied music students must practice regularly as follows:

Class piano students, a minimum of five hours per week.

Class voice students, a minimum of four hours per week.

Private students of piano, voice, organ and all other instruments, a minimum of six hours for every half hour lesson per week.

A course in applied music will be regarded as failed if the student has not fulfilled the required number of lessons during the semester, viz., thirteen lessons. The instructor is not responsible for the make up of lessons missed by the student except when a bona fide reason for the absence is presented.

Music majors are required to attend 12 concerts and/or recitals per semester while music minors and all others studying applied music are required to attend 6 concerts per semester. Failure to meet this requirement will cause the final applied semester grade to be lowered.

Four semesters of Choral Union are required for all Music majors and minors. Exceptions will be made for orchestra members when Choral Union and the College Orchestra perform jointly.

Because of the importance of a knowledge of music theory and the wide variance noted in the background in this area in the pre-college studies of music students, all declared music majors will be required to take a placement examination in order to qualify to enter courses in Theory.

Similar importance is placed on the ability of a student majoring in music to play a keyboard instrument. The student who wishes to concentrate in voice or an instrument other than piano or organ should plan to have the keyboard requirement completed by the end of the sophomore year.

Keyboard work must be carried concurrently with theory courses (Mus. 192, 193, 292, 293) unless the student has had several years of serious keyboard study prior to entrance at Olivet. No student majoring in Music Education will be permitted to do student teaching until completing the equivalent of Piano 107, either privately or in class.

All music majors are required to participate in (1) a senior recital that includes music from the major style periods, or (2) complete a senior project in music education that is equivalent in time and effort to the recital. All such projects must be approved in advance by the Chairman of the Department in cooperation with the faculty specialist in music education.

The progress of each student in his major applied area will be noted at the end of the second year of study and a judgment rendered at that examination as to his readiness to proceed into Upper Division (300 and 400 level).

Questions concerning entrance requirements and general regulations should be addressed to the Chairman of the Department of Music.

Optional Areas of Emphasis

Music Education. It is the objective of the Department of Music to provide training and experiences to properly qualify students for positions as teachers or supervisors of music in the public schools. The program exceeds the requirements of the

State Board of Education and of the Illinois Limited State Special Certificate which qualifies the holder to teach and supervise music in grades 1-12.

Music Education majors must have upper division status in applied music before they can apply for student teaching placement.

Music Teaching: 60-63 hours. B.A. or B.S.

Required:

Music 190 — Intro. to Music Literature
192, 193 — Music Theory
275 — Elementary Conducting
292, 293 — Music Theory
370 — Voice Literature and Pedagogy
390, 391 — History and Literature of Music
494 — Instrumentation
495 or 496 — Senior Recital or Project

Three of these methods courses:

180 — Percussion Instrument Class
280 — String Instrument Class
380 — Woodwind Instrument Class
381 — Brass Instrument Class

Applied Music Concentration 16 hours minimum in organ, piano, voice, string, woodwind, brass or percussion instrument. Preparatory applied course credit does not count toward this requirement. The 16 hours of college level credit are to be divided into 8 hours lower division, 7 hours upper division, and 1 hour senior recital or project. The student must also have a minimum of 2 hours in voice (if not a voice major) and a minimum of 4 hours of piano (if not a piano or organ major), and must satisfactorily complete the equivalent of Piano 107, either privately or in class, before Student Teaching can begin.

Normally the piano proficiency requirement is met by the end of the fifth semester. During the sixth semester, Music Education majors apply for student teaching placement. Upper Division status in applied music must be established before a student can apply for student teaching placement.

Non-keyboard majors possessing adequate skills to pass the piano proficiency exam (Piano 107) may meet the four-hour requirements by taking piano and/or organ. Successful completion of Piano 107 will fulfill the piano proficiency requirement should the student elect to take the course instead of the piano proficiency exam.

Controlled Electives:

Ensemble, 4 hours, including 4 semesters of Choral Union
378 — Choral Literature & Conducting
or 481 — Instrumental Lit. and Conducting.

Supported by the Professional Education Sequence in Chapter 7 21-26 hours

Since the curriculum in music education has very few electives, students are advised that at least one summer session in addition to the regular eight semesters may be required to complete the degree in this field.

Church Music. For students who expect to be church musicians, the Department offers a program intended to give a comprehensive and thorough technical training along with the deeply spiritual emphasis of the college.

Believing that spiritual fervency and technical proficiency can be combined, Olivet presents a church music program which will enable the graduate to take his place in church music circles with effectiveness.

The curriculum is designed for the person who desires extensive training in order to give the best possible service to the church.

Church Music: 67 hours. B.A. or B.S.

Required:

Music 190 — Intro. to Music Literature
192, 193 — Music Theory
275 — Elementary Conducting
292, 293 — Music Theory
377 — Music in Worship
379 — Music in the Church Service
390, 391 — History and Literature of Music
478 — History of Church Music
479 — Seminar in Church Music
494 — Instrumentation
495 — Senior Recital

Six hours chosen from the following:

378 — Choral Literature and Conducting,
454 — Secondary Music Methods,
462 — Elementary School Music Methods,
481 — Instrumental Literature and Conducting
Ensemble — 4 hours including 4 semesters of Choral Union

For Church Music majors the applied concentration must be a minimum of 20 hours to be divided into 8 hours lower division, 11 hours upper division and 1 hour senior recital.

Church Music/Christian Education. B.A. or B.S.

Required:

Music — 46 hours
Christian Education — 23 hours

This combination major of the two departments is designed to prepare students for effective ministry in a local church. The courses required are listed in the Department of Christian Education in the Division of Religion and Philosophy.

Music Performance. This degree is offered for the outstanding student already displaying a high calibre of attainment, who is pursuing work in solo and ensemble performance, accompanying, and college or private teaching. Available in the following areas: voice, piano, organ, clarinet, and violin. Students wishing to teach in the public schools should choose the Music Education curriculum.

Admission to this major is by audition only. Auditions should include pieces which are representative of the various historical periods in music. Memorization is expected.

Music Performance: 69-71 hours. B.A. or B.S.

Required:

Major area of concentration . . 32 hours including at least 16 hours of upper division

Non-keyboard majors must have 4 hours of piano or organ. Keyboard majors must have 2 hours of voice.

Junior Recital 1 hour
Senior Recital 1 hour
Theory 192, 193, 292, 293 . . . 16 hours
Literature 190, 390, 391 8 hours
Conducting 275 2 hours
Controlled Electives 4 hours
(Mus. 392, 393, 378, 481 or

Secondary Applied)

Ensemble — 3 hours including 4 semesters of Choral Union are required.
French or German required for voice majors.

Music Minor: 16 Hours

Courses to be approved by the Chairman of the Department of Music, including 4 semesters of Choral Union.

Music Teaching Minor: 24 Hours**Required:**

Music 190 — Introduction to Music Literature
 192, 193 — Music Theory
 275 — Elementary Conducting
 454 — Secondary Music Methods
 183, 383 — Choral Union, 4 semesters
 Applied Music — 8 hours

Applied Music — 23

A concentration of applied music is required of all majors in music. A placement hearing is required prior to registration for any applied music course. Registration is to be initiated in Larsen Fine Arts Center Music Offices.

Keyboard Instruments

23-100, 23-101, — Preparatory Organ. 1 hour. For the student who does not wish to major in organ, or who has insufficient piano background to begin study on the collegiate level. Piano foundation in scales, simple classical pieces and hymns is required. Organ 100 includes fundamentals of organ technique, major scales on pedals, hymn arrangements, and easier pieces for service playing. Emphasis upon Richard Enright instruction book and Master Studies. To enter the four-year course with an applied major in organ, the student should have completed sufficient piano study to play the easier Bach Inventions, Beethoven sonatas and some contemporary literature and Mus. 101.

23-102, 23-103, 23-202, 23-203 — Organ. Instruction books include the Harold Gleason, Richard Enright, and Marcel Dupre methods. Nilson pedal studies, major and minor pedal scales, J.S. Bach's Liturgical Year, and Eight Little Preludes and Fugues, Mendelssohn sonatas, contemporary compositions, basic instruction on the Schulmerich carillons. The student is expected to appear on a recital, play in chapel occasionally, and be able to play hymns and church service music. **2 hours each semester**, or until able to pass the qualifying examination for upper division standing. Prerequisite: Organ 101.

23-302, 23-303, 23-402, 23-403 — Organ. J.S. Bach: Larger Preludes and Fugues, Toccatas, Fantasias, selections from Trio Sonatas, or Schubler Chorales. Compositions by Franck, Karg-Elert, Vierne, Langlais, Alain, Messiaen, etc. (Student should be able to do some transposing, modulating, score reading, accompanying, and improvising.) **2 hours each semester**, with an examination before a committee.

23-104, 23-105, 23-106, 23-107 — Preparatory Piano. 1 hour each semester. Class piano instruction. Development of general technical principles; sight reading; pedal technique; scale technic; playing the principal chords in all keys, and harmonization of simple melodies using these chords; transposition and score reading; playing by ear; playing of folk songs and hymns. Preference for admission to the 12-piano lab is given to students for whom the course is required.

23-108, 23-109, 23-208, 23-209 — Piano. Private instruction dealing with the less difficult compositions from the Baroque, Classical, Romantic, and Twentieth Century periods. Instruction will be given in technique, sight reading, transposition, accompanying, and ensemble playing. Each student must pass a playing exam at the end of the semester which will include technique and memorized repertoire. **2 hours each semester**, or until able to pass the qualifying examination for upper division standing. Prerequisite: Piano 107 or permission of instructor.

23-308, 23-309, 23-408, 23-409 — Piano. 2 hours each semester. Continued private instruction. The student should cultivate a well-balanced repertoire comprising compositions of baroque, classic, romantic, and modern composers. The senior recital is usually performed during the student's enrollment in Piano 409. Performance majors: see Recitals. A playing exam is required at the end of each semester.

String and Percussion Instruments

23-110, 23-111 — Preparatory Violin. 1 hour each semester. Fundamentals of violin technic. Major and minor scales. Technical development through the first positions. Solo pieces, easy concertos and sonatas.

23-112, 23-113, 23-212, 23-213 — Violin. Major and minor scales; studies of Kreutzer, Mazas, Dont, and Sevcik; sonatas by Corelli, Tartini, Handel, LeClair; concertos by Accolay, Rode, and Beriot; program pieces of corresponding difficulty. An examination is required each semester. **2 hours each semester**, or until able to pass the qualifying examination for upper division standing. Prerequisite: Violin 111.

23-312, 23-313, 23-412, 23-413 — Violin. 2 hours each semester. Student should show an adequate technical grounding in scales, bowing and phrasing to perform sonatas by Mozart, Beethoven, and Grieg, concertos by Mozart, Bruch or Mendelssohn; solo pieces of equal difficulty.

23-120, 23-121, 23-220, 23-221 — Violoncello. Duport and Kreutzer Etudes; Popper, High School Etudes Books I and II, Romberg Concerto No. 4; Grutzmacher Hungarian Phantasie; Goltermann Concerto in A minor; Corelli Sonata in D minor; Sommartini Sonata in G Major; Franchomme Caprices; Bach Suite in G Major; Popper Hungarian Rhapsody; D'Albert, Saint-Saens Concertos; Boellmann Variations; pieces from standard concert repertoire. An examination is required each semester. **2 hours each semester**, or until qualified to pass the qualifying examination for upper division standing.

23-166, 23-167 — Preparatory Percussion. 1 hour each semester. Proper gripping of sticks and mallets for technical development and control through standard rudiments, scales, melodies, articulation, intervals and tuning will be emphasized. Literature and methods will include: Stone, Magadini, Lepak/Friese and Goldenberg.

23-168, 23-169, 23-268, 23-269 — Percussion. 2 hours each semester. Studies by Goldenberg, Musser, Stone, Morales, Chapin, Goodman, Morello and Abel will be utilized. Emphasis will be placed on reading and interpretational skills for Snare drum, Timpani, Xylophone, Marimba, Multi-Percussion, Vibraphone, Drum Set, Latin Percussion and Accessories. Will also include study in the proper playing of Cymbals and Gongs. Study of solo, orchestral and ensemble literature of major periods in music will include Twentieth Century works. Timpani study will include music for two, three, four and five kettledrums. Marimba study will include four octaves, major and minor scales, arpeggios, and broken chords, and stress proper sticking, grips, and a high level of control with two, three, and four mallets. Attention will be given to sight reading for all instruments. Prerequisite: Percussion 167.

Voice

23-170, 23-171 — Preparatory Voice. 1 hour. Class study incorporating "Fundamentals of Voice Building," Larsen; "Expressive Singing," Christy; and supplementary lectures. Vocalises such as Thirty-six Vocalises, Sieber; diaphragmatic breathing; intonation, vowel and consonant formation; sight reading; scales; hymns; the simpler English and American songs. An examination is required each semester.

Entrance requirements for majors: To enter

the four-year course in voice the student should have completed the equivalent of Voice 171.

23-172, 23-173, 23-272, 23-273 — Voice. Elements of voice culture; correct breath management; throat freedom through correct approach to vowels and consonants; rhythm, intervals, scales, arpeggios; stage deportment; Sieber, Vaccai; songs in English and Italian, German Lieder and classical arias. An examination is required each semester. **2 hours each semester**, or until able to pass the qualifying examination for upper division standing. Prerequisite: Voice 171.

23-174, 23-175 — Class instruction. 2 hours each semester. Course work same as described in previous paragraph for 172, 173, 272, 273.

23-372, 23-373, 23-472, 23-473 — Voice. Continued technical development, the sustained tone of Italian bel canto, ornamentation, the laws of interpretation, tone color; correct pronunciation, enunciation and articulation; advanced vocalises such as Panofka and Marchesi; operatic and oratorio recitatives and arias; modern Italian, German, French, English and American songs. **2 hours each semester**, and until approved for senior recital. The candidate for graduation must present a recital of literature of the major periods, in the original language, showing in understanding of the various contrasting styles.

Woodwind Instruments

23-134, 23-135 — Preparatory Clarinet. 1 hour. Production of tone, breathing, articulation. Scale studies and arpeggios. Elementary Solos to more advanced.

Entrance requirements for majors: To enter the four-year course in clarinet the student should have completed the equivalent of Music 135.

23-136, 23-137, 23-236, 23-237 — Clarinet. Rose: Forty Studies; Solos such as Weber's Concertino, Fantasy and Rondo. **2 hours each semester**, or until able to pass the qualifying examination for upper division standing. Prerequisite: Clarinet 135.

23-336, 23-337, 23-436, 23-437 — Clarinet. 2 hours each semester. Rose, Thirty-two Etudes; Cavallini, Caprices; Weber, Concerti; Mozart, Concerto; Brahms, Sonatas.

23-126, 23-127 — Preparatory Flute. 1 hour each semester. Long tones, major and minor scales, simple to difficult articulations. Hickok, Flute Fun. Chromatic scales, broken arpeggios. Wagner, Foundation to Flute Playing; Easy solos such as: Hahn, Transcriptions for flute; Popp-Sousman, Method for Flute; Marquarre, Studies; Kohler, Etudes I and II. Sonatas by Handel.

23-130, 23-131 — Preparatory Oboe. 1 hour each semester. Posture, breathing, embouchure, long tones, and production of dynamics. Simple melodies and chorales, Barrett, Exercises in Articulation. Major and minor scales. Beginning reed making. Barrett, Exercises in Articulation and Progressive Melodies. Eight solos from Labate, Oboe Repertoire. Gekeles, Methods for Oboe.

23-142, 23-143 — Preparatory Bassoon. 1 hour each semester. Embouchure, attack, dynamics, scale studies, breath control, articulation, intervals and alternate fingerings. Studies by Weissenhorn. Reed-making. Simple melodies through more advanced solos. Exercises in tenor clef, all major and minor scales, arpeggios, and broken chords. Milde, Studies, Weissenhorn. Duets; Boyd, Famous Melodies for Bassoon.

Brass Instruments

23-150, 23-151 — Preparatory Trumpet. 1 hour each semester. Basic embouchure, breath control, tonguing, slur, dynamics, development of a two octave range, alternate fingering, scales. Arpeggios, phrasing; simple melodies through more advanced solos.

Entrance requirement for majors: To enter the four-year course in trumpet the student should have completed the equivalent of Music 151.

23-152, 23-153, 23-252, 23-253 — Trumpet. Arban, St. Jacome — Studies by Williams, Duhem, Clarke. All arpeggios and broken chords, M.M. 100 in quarter notes, as in Arban. All minor scales at 4/4 M.M. quarter note = 50 in eighth notes. Major scales at 4/4 M.M. quarter in 16th notes. Single, double and triple tonguing. Amsden's Celebrated Duets. 1 solo each from the Classical repertoire and Romantic to Modern repertoire memorized each semester. Suggested solos: Concert Fantasie. Chords: Petite Piece Concertante, Balay; Etude de Concours, Potit. Scales will be requested by Examining Committee for performance according to above requirements. Scales to be played 1, 2 or 3 octaves, as the compass of the instrument will permit. **2 hours each semester**, or until able to pass the qualifying examination for upper division standing. Prerequisite: Trumpet 151.

23-352, 23-353, 23-452, 23-453 — Trumpet. 2 hours each semester. Arban, St. Jacome's. Major scales 4/4 quarter = 96 in 16th notes. Minor scales 4/4 quarter = 50 in 16th notes. Arpeggios and broken chords at 100 in quarter note as in Arban. Intro. to Williams Transposition Studies. Single, double, and triple tonguing intensified study. Arban Characteristic Etudes. Amsden and Arban Duets. Suggested solos: Introduction and Scherzo, Goyens; Lides of Schumann, Brahms, Schubert. 1 solo each

from classical and later repertoires memorized each semester. Scales will be requested by the examiners as per above requirements. Scales to be played on 2, or 3 octaves, as the compass of the instrument will permit.

23-154, 23-155 — Preparatory Trombone. 1 hour each semester. Intro. to the technique and basic fundamentals of trombone playing. Muller, Arban Edwards-Honey, Clarke Methods, Buchtel, 1st Book of Trombone Solos. Studies by Cimera and Honey. Supplementary studies by Endresen. All scales, arpeggios, broken chords. Solo repertoire to include: Giordani, Caro Mio Ben; Tchaikowsky, Valse Melancholique, Donizetti, Romanza.

Entrance requirements for majors: To enter the four-year course in trombone the student should have completed the equivalent of Music 155.

23-156, 23-157, 23-256, 23-257 — Trombone. 2 hours each semester. Arban, Endresen, and Cimera studies; special studies for legato, articulation, flexibility, and control. Solos recommended: Chords, Concert Fantasie; Solo de Concours, Croce and Spinelli; Martin, Elegie; Bohme, Liebeslied. Scales to be played 1, 2 or 3 octaves, as the compass of the instrument will permit, or until able to pass the qualifying examination for upper division standing. Prerequisite: Trombone 155.

23-356, 23-357, 23-456, 23-457 — Trombone. 2 hours each semester. Arban, Book II. Kopprasch, Book I. Studies in transposition and clef reading. Solos such as Rousseau, Piece Concertante; Blazenich, Concert Piece, No. 5; Grofe, Grande Concerto.

23-146, 23-147 — Preparatory Horn. 1 hour each semester. Basic fundamentals of embouchure, tone, breathing, use of tongue, and articulation. Pottag-Honey method for Horn. Primary studies for horn, including solos, duets and trios, Horner. All scales and arpeggios; double tonguing; muting; transposition. Concone vocalises. Horner studies. Solos by Kaufman, Boyd, Gounod and Brahms. Kopprasch, Book I.

Entrance requirements for majors: To enter the four-year course in horn the student should have completed the equivalent of Music 147.

23-148, 23-149, 23-248, 23-249 — Horn. 2 hours each semester or until able to pass the qualifying examination for upper division standing. Kopprasch studies, Book II. Special studies for flexibility, range, sonority, attack and control. Transportation, clef reading and muting. Solos such as Mendelssohn, Nocturne from Midsummer Night's Dream; Bloch, Chant d'Amour; Beethoven, Adagio Cantabile. Prerequisite: Music 147.

23-348, 23-349, 23-448, 23-449 — Horn. 2 hours each semester. Horn passages from Orchestral works. Pottag; Mozart, Concerto for Horn in D Major, No. 1; Haleny-Gault, Romance from L'Eclair; Mozart Concerto No. 3 in E-flat; Strauss, Concerto for Horn, Op. 11. Execution of lip trill; double and triple tonguing. Schantl, Book IV or equivalent.

Recitals

23-395 — Junior Recital. 1 hour. A well-balanced program of representative works from the baroque, classical, romantic, and modern repertoire to be performed in public by memory. A minimum of one hour duration. For performance majors only.

23-495 — Senior Recital. 1 hour. A program similar in nature to the junior recital but demonstrating a broader grasp of repertoire and technique. A minimum of one hour duration. For performance majors only.

23-496 — Senior Project. 1 hour. In lieu of a Senior Recital a student may elect to do a project. It should represent a similar commitment of time and effort as the Senior Recital. Students interested in this option should begin by discussing the project with the department chairman. Approval of the music faculty is required. Therefore, students should begin work on the project early in the senior year.

Church Music — 24

24-275 — Elementary Conducting. 2 hours. Fundamental technic of the baton; chord and instrumental music conducted in laboratory situation. For music majors and minors.

24-276 — Elementary Conducting. 2 hours. The conducting of assembly singing and hymns. For non-music majors and minors.

24-377 — Music in Worship. 2 hours. The functions of music in Christian worship; problems in church music administration; study of forms of service of the various Christian churches, with emphasis upon the place of hymns in worship. A brief historical survey of the development of hymnology and a thorough analysis of the Nazarene Hymnal.

24-378 — Choral Literature and Conducting. 2 hours. History of the English anthem from the reformation to the present, with special emphasis upon Tudor style and literature. A study of the development of the cantata and oratorio forms, with special emphasis given to represen-

tative works from various periods. Prerequisite: Music 275.

24-379 — Music in the Church Service. 2 hours. The selection of organ, choir and hymn repertoire appropriate to the church season. The study and practice of methods to attain unity in the church service.

24-477 — Hymnology. 2 hours. The content of Christian faith as expressed in its hymns, and the nature and significance of the hymn tunes.

24-478 — History of Church Music. 2 hours. The development of the music and liturgy of the church from ancient times to the present, with emphasis upon organ, choir, and congregational music.

24-479 — Seminar in Church Music. 2 hours. Development of an approved project on some phase of church music, such as hymnology, liturgy, choral music, organ literature, or philosophy of church music.

Music Education — 25

25-177, 25-377 — Music Drama Production. 1/2 to 2 hours. A course designed to enable students to study and participate in the workings of the production of music drama. Credit shall be given to students based on the quality of their involvement as well as the amount of time. Up to two hours of credit may be earned in one semester. The faculty member responsible for the course will determine how much credit can be given. May be repeated, but not more than 4 hours credit in Music Drama Production may be earned. No prerequisites.

25-180 — Percussion Instrument Class. 1 hour. Study and development of fundamental skills needed for teaching percussion in a school setting. Time is provided for projects in writing for total percussion, stressing the use of orchestral percussion, their acoustical features and standard usage of the total family of percussion instruments with concentration given to Snare drum, Marimba, Timpani, Latin Percussion, Marching Percussion, and accessories. Taken concurrently with Educ. 380.

25-280 — String Instrument Class. 2 hours. Study of violin, viola, 'cello, bass. Correct fingering, bowing, positions. Methods and materials for school classes. Taken concurrently with Educ. 380.

25-281 — Marching Band Techniques. 1 hour. This course is to give students background in the planning, charting, and executing of pregame and half-time marching band routines, including marching band philosophy, equipment needed, scheduling rehearsals, and plans

for working with flag corps, majorettes, rifle team and drum major. Recommended for secondary music education majors.

25-360 — Instrumental Activities for the Elementary School. 1 hour. An introductory course for the general elementary education major. It is an activities approach to music fundamentals in which beginning concepts of playing the piano, autoharp and recorder will be stressed. Skills will include playing the piano to teach oneself children's song literature, playing the autoharp as an accompaniment instrument for the classroom, and playing familiar tunes on the recorder.

25-366 — Music Activities for the Elementary School. 2 hours. An introductory course for general elementary education majors. It is an activities approach to music education stressing singing, playing, listening, creating, and moving, with a special unit on music fundamentals. Prerequisite: Music 360.

25-380 — Woodwind Instrument Class. 2 hours. Study of clarinet, flute, oboe, bassoon, and saxophone. Correct fingering, tonguing, breathing, intonation. Development of embouchure. Various approaches to technical difficulties and development of technic. Methods and materials for school classes. Taken concurrently with Educ. 380.

25-381 — Brass Instrument Class. 2 hours. A study of the fundamental theory of brass instruments and correct embouchure. The development of the ability to play one brass instrument acceptably, and a familiarity with the special technics of the other instruments. Taken concurrently with Educ. 380.

25-454 — Secondary Music Methods. 2 hours. A study in the philosophy, objectives, materials, and methods of presenting the music program in the secondary schools. Attention will be given to the instrumental, choral, and general music program. Prerequisite: Educ. 249, 250 — Ed. and Developmental Psychology. Taken concurrently with Educ. 480.

25-462 — Elementary School Music Methods. 2 hours. An orientation course to assist the student in formulating a philosophy of music education and to acquaint him with current materials and practices in elementary school music teaching. For music majors. Prerequisite: Educ. 249, 250 — Ed. and Developmental Psychology. Taken concurrently with Educ. 480.

25-481 — Instrumental Literature and Conducting. 2 hours. Organization and development of the school orchestra and band with study of the literature and advanced principles of conducting for school use. Students will be given actual experiences in conducting

assigned selections with the orchestra and band. Prerequisite: Music 275. Taken concurrently with Educ. 380.

25-485 — Supervised Student Teaching — all grades (music). 8-12 hours. Experience, observation, participation, and teaching in kindergarten to 12th grades.

Music Literature and History — 26

26-177, 26-377 — Music Drama Production. 1/2 to 2 hours. Same as Music Education 177, 377.

26-178-188, 378-388 — Ensemble. The music department has ten ensembles in which students of any department may participate after qualifying by try-out. Four semester hours of credit may be counted toward any degree. Music majors are expected to participate in at least one ensemble each semester.

Four semesters of Choral Union are required for Music majors and minors. Exceptions will be made for persons who play in the orchestra when Choral Union is performing.

Freshmen and sophomores will enroll in the ensemble course under the 26-178-188 series of numbers. Juniors and seniors will enroll under the upper division numbers 26-378-388.

These ensembles are 1/2 hour credit each semester.

26-178, 26-378 — Brass Consort

26-179, 26-379 — Stage Band

26-181, 26-381 — College Orchestra

26-182, 26-382 — Concert Singers

26-183, 26-383 — Choral Union

26-184, 26-384 — Orpheus Choir

26-185, 26-385 — Handbell Choir

26-186, 26-386 — Treble Clef Choir

26-187, 26-387 — Viking Male Chorus

26-188, 26-388 — Concert Band

26-190 — Introduction to Music Literature. 2 hours. A course designed to develop intelligent listening habits and to familiarize the student with standard musical works. The course includes a study of the material and structure of vocal and instrumental music and a survey of the various style periods of music.

26-201 — World Musics. 3 hours. A study of representative music systems of the world, the function of these musics within the cultures of which they are a part, and a comparison of these phenomena with their Western counterparts. Seeks to provide an understanding of non-Western music systems as a means to appreciating the ethnic diversity in our pluralistic society. Open to all students; no prior musical training is necessary.

26-202 — Accompanying. 1/2 hour. Study of the principles of good accompanying techniques for the pianist playing with choral, vocal and instrumental music. Practical experience in the form of accompanying assignments is given, as well as coaching sessions with and without the soloist or group being accompanied. Prerequisite: Piano 108 and permission of the instructor. Four semesters of this course are required for piano majors. Piano majors may receive ensemble credit.

26-300 — Organ Literature. 2 hours. This course includes a survey of organ literature from the Renaissance through 20th century compositions. Emphasis is placed on stylistic differences in each period and registration commonly associated with each type of composition. A study of the organ of different countries and periods for which the literature was composed is included.

26-301 — Organ Pedagogy. 2 hours. Different methods of technique training, choice of registration for different styles of literature, and source materials for various levels of organ training are included. The student will be given practical experience in coaching an organ student under the guidance of an organ faculty member.

26-304 — Piano Literature. 2 hours. A survey of the historical, stylistic, and formal aspects of piano literature from 1700 to the present.

26-305 — Piano Pedagogy. 2 hours. A course designed to prepare the advanced pianist for successful teaching in the private piano studio or the piano lab. The course includes a selective survey of currently available teaching method books, a study of the principles of good teaching, and instruction in the business procedures necessary for the self-employed music teacher.

26-334 — Clarinet Pedagogy and Literature. 2 hours. Various pedagogical problems and their solutions will be systematically considered. Also an in-depth survey of clarinet literature will be undertaken with emphasis on method books and studies as well as solo and chamber works.

26-354 — Trombone Pedagogy and Literature. 2 hours. A survey of solo and ensemble materials ranging from easy to difficult suitable for developing skills of trombone performance; and a study of methods of teaching trombone both in the private studio and in the public schools, with an emphasis on preparation for recital performance.

26-370 — Voice Literature and Pedagogy. 2 hours. The study of vocal literature will include songs from the major periods of music history beginning with the Baroque; methods of vocal production will be examined in order to give the student an over-view of approaches

to the singing art. Includes a minimum of 6 clock hours of pre-student teaching experience with public school students.

26-390, 26-391 — Survey of History and Literature of Music. 3 hours each semester. The history of music from the ancient Greeks to the present. The first semester will deal with the period of the Greeks to Bach and Handel, and the second will continue to music of our time. Emphasis is given to an acquaintance with representative musical works and style, and to the understanding of musical concepts in the light of their historical background. Prerequisite: Music 190.

Music Theory — 27

27-191 — Basic Theory. 2 hours. A fundamental music theory course covering principles of melody writing, rhythm and meter, and of major and minor scales. Writing, singing and playing of all intervals and triads. Development of a basic musical vocabulary. (Students must be enrolled concurrently in piano.)

27-192, 27-193 — Music Theory. 4 hours each semester. A correlated course of study in written and aural theory. Melodic, harmonic dictation, and music reading. Elementary work in keyboard harmony, part writing, harmonization, and original composition. (Students must be enrolled currently in piano.)

27-292, 27-293 — Music Theory. 4 hours each semester. Advanced work in writing skills, music reading, analysis, and harmonic dictation. Imitative and non-imitative contrapuntal writing. Analysis of the basic forms of the common practice period. Exploration of twentieth century styles and idioms. Students must be enrolled concurrently in piano.

27-392 — Analytical Technique. 2 hours. Analytical study of the development of music form through representative literature of the fifteenth through twentieth centuries. Emphasis on style analysis. Collateral readings.

27-494 — Instrumentation. 3 hours. Range and transposition of the instruments of the orchestra; timbres of instruments individually and in combination; arranging for small groups and for full orchestras. Emphasis will be placed on arranging for school orchestras, with limited instrumentation and players of moderate ability.



The staff of Olivet's FM radio station WKOC in the Benner Library includes students from the Speech Communication Department.

Division of Languages, Literature and Communication

| | |
|-----------------------------|-------------|
| English Language | — 32 |
| Foreign Languages | — 33 |
| Speech Communication | — 34 |

David Kale, Chairman

The Division includes the Departments of English Language and Literature, Foreign Languages and Literature, and Speech Communication.

The aims of instruction are detailed in each department but in general include the following: (a) to provide training in the effective use of the English language, both written and spoken; (b) to enlarge the cultural background of the student through the study of literature, and through an acquaintance with at least one foreign language; (c) to provide experience in the interpretation of literary masterpieces of the past and present, relating them to the social, religious, and political ideals of the peoples involved; (d) to develop an appreciation and love for the true and the beautiful in verbal expression, that a life of richer significance may be achieved through self-expression, emotional release, and creative activity; (e) to inculcate a taste for wholesome reading and other literary activities, and to develop standards by which the student may be enabled to evaluate the relative merits of that which he reads and hears.

English Language and Literature — 32

GARY W. STREIT (1973)

Professor of English;

Chairman of the Department

B.A., 1967, Trevecca Nazarene College

M.S., 1973, University of Tennessee

Ph.D., 1982, University of Illinois

LARRY FINGER (1977)

Professor of English

B.A., 1957, Trevecca Nazarene College

M.A., 1960, Stetson University

Ed.S., 1968, George Peabody College

Ph.D., 1972, George Peabody College

WILLIAM FOOTE (1968)

Assistant Professor of English

B.A., 1949, Olivet Nazarene College

M.A., 1968, University of Illinois

B.D., 1952, Nazarene Theological

Seminary

LEORA LEGACY (1976)

Associate Professor of English

B.A., 1968, Olivet Nazarene College

M.A., 1970, University of South Carolina

M.A., 1979, Wheaton College

SHIRLEE A. MCGUIRE (1979)

Associate Professor of English

B.S., 1964, Bob Jones University

M.A., 1970, Syracuse University

M.A., 1976, College of William and Mary

Ph.D., 1982, West Virginia University

LOTTIE I. PHILLIPS (1965)

Associate Professor of English

B.A., 1951, Trevecca Nazarene College

M.A., 1961, Ball State University

DIXIE TURNER (1979)

Assistant Professor of English

B.S., 1975, Olivet Nazarene College

M.A., 1979, Olivet Nazarene College

Advanced Certificate in Secondary English Education, 1982, University of Illinois

M. DEANE WHITE (1981)

Professor of English

B.S., 1960, Bob Jones University

M.A., 1963, Middlebury College

Ph.D., 1971, Ohio State University

The English Department seeks to acquaint the student with literary masterpieces in a variety of genres; to cultivate his sincere appreciation of the best that man has thought and written; to familiarize him with the development of his language and linguistic processes, and with current, national, reputable usage of words; and to develop his critical and analytical skills.

The major in English provides students with a strong liberal arts preparation for a variety of careers including education, business and the media. In addition to preparing teachers for the secondary level, the English major is also appropriate for pre-seminary and pre-law students.

The English Department helps to staff the Learning Development Center in the Benner Library. Students may seek remedial help and enrichment activities to support English course instruction.

English Major: 38 hours. B.A.

English 103, 104 — Freshman Composition

223 — English Literature

224 — English Literature

253 — American Literature to 1865

300 — History of the English Language

304 — Grammars: Structure of Languages

313 — Major Authors

325 — Period Studies in English Literature

354 — American Literature, 1865

to Present

477 — Senior Seminar

Three hours of electives from the department, and one of the following:

202 — Creative Writing

241 — Introduction to Journalism

303 — Advanced Expository Writing

Required supporting courses:

Speech 101 — Fundamentals of Speech

Phil. 141 — Beginning Philosophical Systems

or 241 — Logic

or 351 — History of Ancient and Medieval Philosophy

Hist. 101 — Modern European History

or 358 — Medieval, Renaissance and

Reformation Europe

or 378 — English History

Art 371 — History of Western Art

English Teaching Major: 35 hours. B.A.***Required:***

English 103, 104 — Freshman Composition
 223 — English Literature
 224 — English Literature
 253 — American Literature to 1865
 300 — History of English Language
 304 — Grammars: Structure of Language
 313 — Major Authors
 325 — Period Studies in English Literature
 354 — American Literature, since 1865
 477 — Senior Seminar

One of the following:

202 — Creative Writing
 241 — Introduction to Journalism
 303 — Advanced Expository Writing

Required supporting courses:

Speech 101 — Fundamentals of Speech
 Speech 260 — Fund. of Play Production
 Hist. 101 — Modern European History
 or 358 — Medieval, Renaissance and Reformation Europe
 or 378 — English History
 Lib. Sci. 368 — Books for Young People
 Educ. 358 — Teaching of Reading in Secondary School
 Plus the Professional Education Sequence

Minor: 18 hours***Required:***

English 103, 104 — Freshman Composition
 Engl. 223 or 224 — English Literature
 Engl. 253 or 354 — American Literature

English Teaching Minor: 24 hours***Required:***

English 103, 104 — Freshman Composition
 223 or 224 — English Literature
 325 — Period Studies in English Literature
 253 — American Literature to 1865
 or 354 — American Literature, 1865 to Present
 303 — Advanced Expository Writing
 or 304 — Grammars: Structure of Languages

Six hours of electives in the department.

Journalism Teaching Minor: 25 hours***Required:***

English 241 — Introduction to Journalism
 245 — Editing and Production
 340 — Magazine and Feature Article Writing
 and 16 additional hours of English.

Courses

32-102 — English Composition. 3 hours. A required course for freshmen with language and composition deficiencies. The course emphasizes a systematic study of grammar, usage and writing. Placement is determined by the English score on the American College Test and a writing sample. Successful completion of this course permits the student to enroll in 32-104. This class meets five times a week.

32-103 — Freshman Composition. 3 hours. The purpose of this course is to develop proficiency in communicating ideas, and to promote critical and creative thinking in the use of words, sentences and paragraphs.

32-104 — Freshman Composition. 3 hours. This course continues the study of effective written communication. Specific concerns are critical analysis, writing about literature, and a formal study of the research paper.

32-109 — Introduction to Prose. 2 hours. Designed to provide an exposure to representative types of prose with special study of literary devices, techniques, and conventions.

32-110 — Introduction to Poetry. 2 hours. A survey of poetry designed to illustrate form and function. Since poetry communicates experience through the senses, emotions and imagination, the poem becomes the means of this poetic process.

32-111 — Introduction to Drama. 2 hours. A panorama of the development of drama in the West and a history of the way in which the dramatists have adapted and utilized the resources of the play.

32-202 — Creative Writing. 3 hours. Emphasis upon the writing of prose fiction and poetry. Extensive writing experience is not a prerequisite.

32-223 — English Literature Survey: Beowulf through the 18th Century. 3 hours.

32-224 — English Literature Survey: The Romantic Period through the 20th Century. 3 hours.

32-241 — Introduction to Journalism. 3 hours. An introduction to journalistic styles, types of news stories, headlines, techniques of editing and copyreading. Students will complete writing assignments for the campus newspaper or community newspapers.

32-245 — Editing and Production. 3 hours. Production methods such as selecting and editing articles, proofreading, laying out copy, planning photography, cropping pictures, choosing printing processes, and operating production machinery will be studied in a class and lab situation. Students will work on a brochure project.

32-253 — American Literature to 1865. 3 hours. American literature from its beginning to 1865, including Whitman.

32-300 — History of the English Language. 3 hours. A study of the development of the English language from beginnings to the present, emphasizing the major external influences and internal changes.

32-303 — Advanced Expository Writing. 3 hours. Principles of and practice in the writing and evaluation of expository prose. Freshman composition or its equivalent prerequisite.

32-304 — Grammars: The Structure of English. 3 hours. Emphasis upon major grammars; advanced traditional, structural, and transformational generative.

32-311 — Literature of Continental Europe. 3 hours. A comparative study of selected works in such countries as Italy, France, Germany, and Russia.

32-312 — Folklore and Myth. 3 hours. A study of the origins, nature, intentions and distribution of folklore and myth in world literature.

32-313 — Major Authors. 3 hours. An intensive study of the works of one author with attention to the chronological development of his style, his main themes, and his relationship to literary tradition. Shakespeare offered alternate years.

32-325 — Period Studies in English Literature. 3 hours. Intensive studies of the works and writers of specific literary movements or periods in British literature: Middle English, The Renaissance, Restoration and Enlightenment, the Romantic Period, the Victorian Period, the Twentieth Century. Prerequisites: English 223 and 224 or consent of the instructor.

32-340 — Magazine and Feature Article Writing. 3 hours. A study of various magazine formats and non-fiction article types will precede

intensive feature article writing assignments. Students will be encouraged to submit articles to various markets.

32-342 — College Publications. 1 hour. Academic credit will be given to students who are regular staff members of the campus newspaper or yearbook. A log book of activities kept by the student will be reviewed periodically by a college supervisor. This credit may not be earned more than twice.

32-354 — American Literature since 1865. 3 hours. American literature from 1865 to the present.

32-414 — Special Topics in Literature. 3 hours. Topics not ordinarily treated in other courses.

32-455 — American Fiction. 3 hours. A study of selected prose fiction from Hawthorne to the present.

32-476 — Teaching English in Secondary Schools. 2 hours. Analysis of methodology and current trends in the teaching of high school English. To be taken concurrently with Educ. 480.

32-477 — Senior Seminar. 2 hours. Integration of the English language and literature, with attention to research methods and critical theory. Consideration of vocational plans and admission to graduate schools.

32-487 — Journalism Practicum. 6 hours. Upper division students complete an off-campus field experience at local publications and under the supervision of a publication staff member. Periodic evaluations of the student's performance will be made by the college supervisor. A daily log and practicum report are required.

Foreign Languages and Literature — 33

MINNIE WILLS (1971)

*Associate Professor of Spanish;
Chairwoman of the Department*

B.A., 1951, Olivet Nazarene College
M.A., 1952, University of Illinois

GEORGE LYONS

Greek. See Religion Department

VICKI TRYLONG (1976)

*Assistant Professor of Modern
Languages*

B.A., 1970, Olivet Nazarene College
M.A.T., 1980, Purdue University
Graduate study, University of Illinois

WILLIAM WOODRUFF

Greek. See Religion Department

The programs leading to the Bachelor of Arts degree with a major in Romance Languages are designed to develop in the student an ability to comprehend, speak, read, and write the language. Many students combine a language major with a related major or minor for careers in communications, business, social welfare, etc. Other students study languages in preparation for teaching modern languages at the secondary level.

Students with one year or less of foreign language credit on the junior high or senior high levels will meet the foreign language requirements on the B.A. degree by successfully completing Level I (a) and (b) in the language of their choice. Courses numbered 101, 111 and 121 may not be taken for credit by students with two years or more of high school credit in that language. If students feel deficient, they may audit these courses. Upon completion of the Intermediate level course with a minimum grade of "C" students may petition for five hours of credit for level I (a) in the same language.

A student with three or more years of high school credit in a language who desires to complete a major or minor in that language may petition for 10 hours of credit in lieu of Level I (a) and (b) upon successful completion of two courses in Level II of the same language.

The department offers foreign travel seminars in France and Spain in alternate years. It is highly recommended that language majors participate in one or both of these programs.

Romance Languages Major (French and Spanish): 30 Hours. B.A.

Required: 20 hours upper division courses in language of primary interest, and 10 hours upper division courses in a second language.

Must be supported by 8 hours from:

- English 109 — Introduction to Prose
- 110 — Introduction to Poetry
- 111 — Introduction to Drama
- 304 — Grammars: Structure of Language
- 311 — Literature of Continental Europe
- 312 — Folklore and Mythology

- History 102 — Modern European History
- 363 — Latin American History
- Pol. Sci. 365 — World Politics
- Speech 101 — Fundamentals of Speech
- Phil. 141 — Beginning Philosophical Systems
- 241 — Logic: Rules of Correct Thinking
- 351 — Ancient and Medieval Philosophy
- 352 — History of Modern Philosophy
- Sociology 364 — Anthropology
- Educ. 497 — Audiovisuals

Romance Languages Teaching Major: B.A.

Same as the major above plus the Professional Education Sequence including Lang. 469 — Teaching of Modern Languages. Educ. 497 — Audiovisuals — is highly recommended as a supporting course.

Teaching Minor (French, German, Spanish): 20 Hours

Required: Level I (a) and (b), Level II (a) and (b). Must be 20 hours of college language.

Minor (French, German, Spanish): 20 hours

Required: Level I (a) and (b), Level II (a) and (b). May be reduced by 5 hours for 2 years of same language taken in high school.

Minor (Greek): 16 Hours

Required: 133, 134, 231, 334 and 335 or 336 and 337.

General Courses

33-469 — The Teaching of Modern Languages. 2 hours. A methods course dealing with language learning and teaching applied to French, German, and Spanish. Required of majors who plan to teach. Prerequisite: Education 351 and Level II in the language sequence. Taken concurrently with Educ. 480.

French

33-101 — Elementary French. Level I (a). 5 hours. A comprehensive elementary course which includes grammar, pronunciation, oral and written composition and reading.

33-102 — Intermediate French. Level I (b). 5 hours. A continuation of French 101 with additional emphasis on reading.

33-301 — Grammar Review. Level II (a). 5 hours. Grammar review, aural comprehension, conversation, reading. Prerequisite: French 102 or 3-4 years of high school French.

33-302 — French Culture and Civilization. Level II (b). 5 hours. A survey of French life and French institutions. Intended as a background for literary studies and as a preparation for teaching French. Prerequisite: French 301.

33-342 — Communication in French. 2 hours. This course is designed to provide more extensive practice in communicating in French. Course work concentrates on the active (student-generated) skills of speaking and writing. Prerequisite: French 301 or its equivalent. May be repeated one time for credit.

33-353 — French Literature. 3 hours. French literature from *La Chanson de Roland* through the Renaissance. This is a survey course including a study of the history of the literature and the reading of selected works. Prerequisite: French 301 and 302.

33-354 — French Literature. 3 hours. A course concentrating on Classical theatre, the *Philosophes*, and Romantic poetry. This class will follow the same format as French 353. Prerequisite: French 301 and 302.

33-355 — French Literature. 2 hours. A continuation of the study of literature, particularly from 1850 to the present. This course will follow the same format as French 353 and 354. Prerequisite: French 301 and 302.

33-473 — Programmed French Phonetics. 2 hours. A systematic study of the sounds and sound patterns of French. Oral practice. Interpretive readings in prose and poetry. Analysis and correction of the student's pronunciation with special attention to the problems of teachers. Prerequisite: Level II.

33-476 — Topics in French Studies. 2 or 3 hours. The student may select an area of special interest to work on independently. A plan of study will be agreed upon with the instructor. This plan may include readings, papers, or other special projects in that area. Possible topics might cover: various aspects of French literature, Francophone cultures, commercial French, or other similar studies. Prerequisite: French Level III or permission of instructor. May be repeated for credit.

Spanish

33-111 — Elementary Spanish. Level I (a). 5 hours. A comprehensive elementary course which includes grammar, pronunciation, oral and written composition and reading.

33-112 — Intermediate Spanish. Level I (b). 5 hours. An intermediate level course which is a continuation of Spanish 111 with an additional emphasis on reading.

33-311 — Grammar Review. Level II (a). 5 hours. Grammar review, aural comprehension, conversation, reading. Prerequisite: Spanish 112 or 3-4 years of high school Spanish.

33-312 — Spanish and Spanish-American Culture and Civilization. Level II (b). 5 hours. A survey of Spanish life and Spanish institutions intended as a background for literary studies and as a preparation for teaching Spanish. Prerequisite: Spanish 311.

33-341 — Advanced Communication in Spanish. 2 hours. This is a course designed to give intensive practice in communicating in the foreign language. The course provides opportunities to improve listening, speaking and writing abilities. Some attention is given to commercial Spanish. Prerequisite: Spanish Level II. May be repeated one time for credit.

33-361 — Spanish Literature. Level III (a). 3 hours. Spanish literature from *Poema del Cid* to the present. A survey course which includes a history of the literature and the reading of selected works representative of the various periods. Prerequisite: Spanish Level II.

33-362 — Spanish American Literature. Level III (b). 3 hours. Spanish-American literature from the Conquistadores to the present. A survey course which includes a history of Spanish-American literature and the reading of selected works representative of the various periods. Prerequisite: Spanish 361.

33-483 — Pronunciation, Diction, and Speech Patterns. 2 hours. A systematic study of the sounds and sound patterns of Spanish. Oral practice. Emphasis on articulation and intonation. Analysis and correction of the student's pronunciation with special attention to the problems of teachers. Prerequisite: level II.

33-486 — Topics in Spanish Studies. 2 or 3 hours. The student may select an area of special interest to work on independently. A plan of study will be agreed upon with the instructor. This plan may include advanced readings in Spanish or Spanish American literature, special projects in commercial Spanish, Spanish for medical personnel, or other similar studies. Prerequisite: Spanish Level III or permission of instructor. May be repeated for credit.

German

33-121 — Elementary German. Level I (a). 5 hours. A comprehensive elementary course which includes grammar, pronunciation, oral and written composition and reading.

33-122 — Intermediate German. Level I (b). 5 hours. An intermediate level course which is a continuation of German 121 with additional emphasis on reading.

33-321 — Grammar Review. Level II (a). 5 hours. Grammar review, aural comprehension, conversation, reading. Prerequisite: German 122 or 3-4 years of high school German.

33-322 — German Culture and Civilization. Level II (b) 5 hours. A survey of German life and German institutions intended as a background for literary studies and as a preparation for teaching German. Prerequisite: German 321.

Greek

33-133 — Elementary Koine Greek, Level I (a). 4 hours. A comprehensive elementary course which includes grammar, pronunciation, reading and translation of Koine Greek. Lecture and laboratory for individualized instruction.

33-134 — Elementary Koine Greek, Level I (b). 3 hours. A continuation of Greek 133.

33-231 — Intermediate Koine Greek, Level I (c). 3 hours. Grammar review, translation of portions of the Gospel and Epistles of John, attention to the principles of sound exegesis of the Greek New Testament.

33-334, 335 — Intermediate New Testament Greek. 3 hours. Same as Biblical Literature 334, 335.

33-336, 337 — New Testament Greek Exegesis. 3 hours. Same as Biblical Literature 336, 337.

Speech Communication — 34

DAVID KALE (1977)

*Professor of Speech Communication;
Chairman of Speech Communication
Department; Chairman of Division of
Language, Literature and Speech
Communication*

B.A., 1966, Eastern Nazarene College

M.A., 1970, Temple University

Ph.D., 1974, Pennsylvania State University

NANCY KENDALL (1980)

Assistant Professor of Speech

B.A., 1978, Olivet Nazarene College

M.A., 1979, Northwestern University
Purdue University

DONALD TOLAND (1978)

*Associate Professor of Speech
Communication*

B.A., 1949, University of Minnesota

M.A., 1968, University of Denver

The courses in the Department of Speech Communication have three objectives as follows: 1) The training of students in the field of Speech covering both the scientific and the artistic aspects; 2) The development of skill in expression which will better equip the individual for a place of leadership, and 3) The preparation of specially qualified students in the field of Speech Communication.

Speech Communication Major: 27 to 33 hours. B.A.

Required:

Speech 101 — Fundamentals of Speech

Speech 201 — Communicating Christ to the Modern World

221 — Mass Media and Society

349 — Intercultural Communication

354 — Communication Theory

459 — Persuasion

Required supporting courses:

English 241 — Introduction to Journalism

304 — Grammars: Structure of
Language

Psychology 321 — Social Psychology

History 381 — The World Since 1945

In addition, the student must complete one of the following options:

Option A — Speech Communication

Speech 222 — Psychology of Human Communication
 347 — Organizational Communication
 348 — Small Group Communication
 349 — Intercultural Communication
 357 — Nonverbal Communication

Required supporting course:

Business 201 — Introduction to Word Processing

Option B — Journalism

English 202 — Creative Writing
 245 — Editing and Production
 340 — Magazine and Feature Article Writing
 487 — Journalism Practicum

Required supporting courses:

Business 201 — Introduction to Word Processing

and either

Art 173 — Creative Photography
 or 224 — Graphics
 or 251 — Commercial Art

Option C — Broadcasting

Speech 177, 178, 377, 378 — Communications Workshop
 372 — Broadcast Writing
 374 — Broadcast Speaking
 376 — Broadcast Production
 487 — Broadcasting Practicum

Required supporting courses

Business 260 — Principles of Management

Strongly recommended:

Business 201 — Introduction to Word Processing

Speech Communications Minor: 15 hours as approved by the Department Chairman, including Speech 354 — Communication Theory.

Teaching Minor: 24 hours as approved by the Chairman of the Department, including Speech 354 — Communication Theory, 15 additional hours of Speech Communication, and 6 hours of English. The student must include course work from at least three of the following areas: Public Speaking, Interpersonal Communication,

Oral Interpretation, and Group Discussion.

Journalism Teaching Minor: 25 hours. See the English Department

Speech Communication

34-101 — Fundamentals of Speech. 3 hours. A course designed to develop an understanding of the basic fundamentals of speech and communication.

34-104 — Parliamentary Law. 1 hour. The study and practice of parliamentary procedure.

34-198, 398 — Dramatic Performance. 1/2 hour. Credit shall be granted to persons playing a major role in a campus dramatic performance or production. Up to 2 hours of credit may be earned in this manner. Determination of credit and major roles is to be judged by the faculty member involved in direction of the production.

34-201 — Communicating Christ to the Modern World. 3 hours. Principles of inductive Bible Study, basic concepts of the Christian faith and principles of communication will be merged in this course with the express purpose of helping the student integrate the Christian faith with the discipline of communication.

34-221 — Mass Media and Society. 3 hours. The student will become familiar with the historical development of the media, along with their impact on the political, social and economic structures of society. The organizational framework of the mass media will be studied, along with the qualifications and opportunities for employment.

34-222 — Psychology of Human Communication. 3 hours. The purpose of this course is to provide a broad survey of several psychological factors affecting human communication. Topics such as selective perception, labeling, and nonverbal communication will be among these considered. Prerequisite: Sp. 101.

34-260 — Fundamentals of Play Production. 3 hours. The purpose of this course is to provide instruction in all aspects of play production. Topics to be covered include concepts in acting, production, direction, set design, etc.

34-347 — Organizational Communication. 3 hours. The purpose of this course is to examine and develop some proficiency in the skills which are necessary to effectively communicate within organizations as well as between organizations and their constituencies. Of particular interest are topics such as conflict resolution, developing trust, clear presentation of organizational image, and decision-making in organizations.

34-348 — Small Group Communication. 3 hours. A study of the principles of interpersonal communication and group dynamics. Attention is given to the responsibilities of group members and leaders as well as to various group discussion formats (problem solving, creative thinking, decision making).

34-349 — Inter-cultural Communication. 3 hours. Similarities and differences of communication patterns across cultures is the focus of this course. Of particular concern will be communication rituals, nonverbal signals and communication patterns of cultural groups.

34-354 — Communication Theory. 3 hours. A study of communication modules and their application to interpersonal communication and public speaking. Problems of miscommunication will be investigated.

34-357 — Nonverbal Communication. 3 hours. The purpose of this course is to examine the function of nonverbal factors in interpersonal communication. Kinesics, oculusics and proxemics will be among the topics considered in the course.

34-367 — Special Topics in Dramatic Performance. 3 hours. An intensive study in a specific area of drama with emphasis on performance. Classes dealing with basic acting, radio drama, and children's drama will be offered in alternating semesters. This course may be repeated.

34-459 — Persuasion. 3 hours. Psychological aspects of speech; nature and methods of attention, suggestion, motivation, and identification; influencing group opinion and action.

34-466 — Practicum. 1-6 hours.

Broadcasting

34-177, 34-178, 34-377, 34-378 — Communications Workshop. 1 hour each semester. Same as Fine Arts 177, 178, 377, 378.

34-372 — Broadcast Writing. 3 hours. All types of television and radio writing will be covered in this course. The student will not only learn the practical aspects of script writing and program development, but will also gain an understanding of the power of the media to affect the thinking and actions of people.

34-374 — Broadcast Speaking. 3 hours. The course is designed to develop the student's broadcast speech skills and to help the student gain an appreciation for broadcasting as a means of communication and education. The course provides a knowledge of basic techniques and an opportunity for practice in specific areas of announcing, newscasting, acting, and oral interpretation.

34-376 — Broadcast Production. 3 hours. This course concentrates on the practical aspects of radio and television production. Students will have access to college radio and television studios as they produce original scripts and programs. Technical problems of audio and video control, staging, lighting, camera work and management of production personnel will be considered.

34-487 — Broadcasting Practicum. 6 hours. Each student enrolled in this course will be assigned to a local station for direct exposure to the everyday operation of the broadcasting industry. The course will be supervised by a person who is a staff member at the station.



The Drama Club presents stirring plays each semester in the Kresge Auditorium. Drama and Art classes combine talents to build the stage settings.



Geology students learned how to use survey instruments outside the Reed Hall of Science before taking them on a field trip. Dr. Max Reams, left, shows this group how to align the equipment.

Division of Natural Sciences — 41

Biological Sciences — 42

Chemistry — 43

Geological Sciences — 44

Mathematics and Computer Science — 45

Physics — 46

Max Reams, Chairman

The Division of Natural Sciences includes the Departments of Biological Sciences, Chemistry, Geological Sciences, Mathematics, and Physics.

The general purpose of the Division is to integrate the aims and the work of the various departments. The aim for each is not the acquisition of knowledge alone, but the developing of logical and orderly thinking habits. The objective is to acquaint the student with the scientific method as a means for arriving at the truth and to show that there is harmony between science and religion.

Further aims are given more in detail in the introduction for each department, together with requirements for majors in the various fields.

Interdisciplinary Majors in the Physical Sciences

This major is offered providing emphases in such areas as Biophysics, Geophysics, Biochemistry, Geochemistry, Chemical Physics, Mathematical Physics, and Ecology, depending upon the student's interest.

Physical Science Major, B.A.:

Science and Mathematics Core:

General Chemistry 8 hours

General Physics 10 hours

Calculus I and II 8 hours

26 hours

A minimum of 40-55 additional hours in science (may be part biological or math), with a minimum of 20 additional hours in one department. The curriculum would be tailor-made to fit the vocational-professional needs of the student and would be determined by a committee composed of representatives from each department involved (e.g., Biophysics — one person from Biology and one from Physics). In addition to these members who would be responsible for the details of an individual student's curriculum, the chairmen from the represented departments and the divisional chairman would be *ex officio* members of the committee.

Physical Science Teaching Major, B.A.:

An interdisciplinary teaching major in the physical sciences requires 20 hours in one physical science department above the Science and Mathematics core and 10 hours in another department of the Division of Natural Sciences above the core. The committee in this case must include a member of the Department of Education.

The plan of study proposed by this committee would then be presented to the entire division. Upon approval by the division the plan of study would then be presented to the Registrar and the Dean of the College for approval. Students preparing for teaching certification must take the Professional Education sequence including Natural Science 477.

Physical Science Major, B.S.:

The requirement for a B.S. in the Interdisciplinary program are the same as for the Bachelor of Arts, except for the following:

Science and Mathematics Core (in addition):

Computer Science 3 hours

A minimum of 46-63 additional hours in science (may be part biological or math), with a minimum of 24 additional hours in 1 department.

Physical Science Teaching Major, B.S.:

A teaching major in the Interdisciplinary program requires 24 hours in one physical science department above the Science and Mathematics core and 10 hours in another department of the Division of Natural Sciences above the core, and the Professional Education sequence including N.S. 477.

Interdepartmental Teaching Minors

The division offers the following inter-departmental teaching minors:

General Science Teaching Minor:

(not open to Teaching Majors in Chemistry, Physics, or Biology) —

24 hours

Required:

Biological Sciences

120 — General Botany

121 — General Zoology

241 — Genetics

and electives from Chemistry, Physics, Earth and Space Sciences, Natural Science

121 — Physical Geography. Three hours must be upper division.

Physical Science Teaching Minor:

(not to include courses from the science major department):

24 hours

Two of the following are required:

| | |
|---------------------|----------|
| Astronomy | 7 hours |
| Chemistry | 12 hours |
| Earth Science | 8 hours |
| Physics | 10 hours |

Electives chosen from Nat. Sci. 121, Physical Geography, Chemistry, Physics, Earth and Space Sciences.

Engineering

There are three alternatives in engineering at Olivet. The first two years in each program are common, allowing students to wait until their sophomore year to decide which track to follow.

Engineering Physics, B.S. This 4 year program leads to the Bachelor of Science degree and makes it possible for students to complete their degree at Olivet. The emphasis is on a strong broad science base in physics and mathematics, with supporting courses in chemistry. In addition, there is emphasis placed on applied courses such as engineering graphics, electronics and computer science. One of the most important parts of the program is the junior-senior research course where students utilize their science and engineering skills to define and solve a real-life problem in consultation with Olivet faculty.

The Engineering Physics program provides excellent training for technical management positions in engineering and research industries, as well as quality preparation for graduate study in engineering or physics. The requirements for this degree are described under the Physics Department majors.

2-2 and 3-2 Engineering These programs enable students to take their first two or three years in residence at Olivet. During their last year at Olivet they apply as a transfer student to the university of their choice in order to complete the Bachelor of Science in a specific engineering field.

These programs offer a broader liberal arts background than most engineering programs while still providing the specialized engineering training available at the large university.

In the 3-2 program, the student spends three years at Olivet, and then transfers to a university engineering program accredited by the Accreditation Board for Engineering and Technology (ABET) for the last two years. Upon completion of the degree at an accredited engineering school, the student receives a Bachelor of Science degree from the university, and a Bachelor of Arts in Engineering from Olivet.

In the 2-2 program, the student takes two years of courses at Olivet, and receives an Associate of Arts Degree in Science Technology from Olivet. The next two years are then spent in a specialized engineering field at a university. The first two years at Olivet are basically the same whether the student is in the Bachelor of Science Engineering Physics program at Olivet, the 3-2 program or the 2-2 program.

Transfer Prerequisites: At the present time most colleges of engineering are experiencing extreme admissions pressures, and are unable to accept all qualified transfer students. Prospective transfer students are usually judged on a competitive basis for admission, with the major criteria being grade point average, semester hours completed, and course requirements.

The minimum required grade point average varies from one year to the next, from one engineering program to another, from one university to another, and may differ for in-state and out-of-state residents. The timing of admission requests is also important. Usually only very highly qualified students are accepted into the engineering school of their choice even though they are in good standing at Olivet.

Prospective transfer students are urged to contact the engineering schools in which they are interested by the end of their freshman year to determine the particular admission criteria for transfer students. For more information, contact the Chairman of the Physics Department at Olivet.

Engineering Major: 3-2 Program — 47 hours. B.A. plus general education requirements for a total of 96 hours from Olivet, and two years of engineering courses from an ABET accredited engineering program at a university.

Required:

Physics 107 — Engineering Graphics
 201 — General Physics I
 202 — General Physics II
 Math. 250 — Fortran Programming
 147 — Calculus I
 148 — Calculus II
 361 — Calculus III
 362 — Calculus IV
 or 357 — Differential Equations
 Chemistry 103 — General Chemistry
 114 — Chem. for Physical Sciences
 9 additional hours of upper division
 Physics, Mathematics or Chemistry.

Associate of Arts — Science Technology:

2-2 Engineering Program: Same requirements as listed for the Associate of Arts Degree in Science Technology. Calculus II and either Calculus IV or Differential Equations are usually taken by engineering students during the sophomore year at most universities.

Science Technology

Associate of Arts — 2 year program

The 2 year program is intended for students who are not interested in a 4 year bachelors degree at this time. It provides an excellent science and mathematics preparation for many company training programs.

In addition to the science and mathematics base, the applied courses in engineering and computer science provide the "hands on" experience desired by many students.

One of the distinct advantages that the degree program offers over many competing programs is the acceptance of credit for a bachelors degree. All of the work done during the two years may be applied to a 4 year degree at a later time.

Associate of Arts Degree in Science Technology: 38-39 hours, plus General Education Requirements.

Science Requirement:

Physics 107 — Engineering Graphics
 201 — General Physics I
 202 — General Physics II
 Math. 147 — Calculus I
 148 — Calculus II

CS 125 — Concepts of Computer Science
 Chem. 103 — General Chemistry
 114 — Chemistry for the Physical Sciences

Controlled electives in science and mathematics **6-7 hours.**

Strongly recommended:

Math. 361 — Calculus III
 362 — Calculus IV
 Chem. 301 — Quantitative Analysis

Other suggested electives:

Physics 311 — Electronics I
 312 — Electronics II
 Chem. 310 — Instrumental Methods of Analysis
 311 — Organic Chemistry I
 312 — Organic Chemistry II
 Geol. 353 — Mineralogy and Optical Crystallography

Health Sciences

Pre-Medicine

A student pursuing a pre-professional program in medicine (allopathic osteopathic, podiatric, etc.) will be advised to take a number of courses in biology, chemistry, mathematics and physics. Most successful pre-medical students take either a zoology or chemistry major, or a double major of chemistry and zoology.

Although it is possible to gain entry into a medical school with a major from outside the sciences, it is necessary for a student to emphasize the sciences very strongly. The liberal arts foundation at Olivet is a definite asset to medical studies. Pre-medical students are advised by a member of the Natural Science Division's Pre-Health Science Committee.

Pre-Dentistry

A major in zoology or chemistry should be supported by a minor in the field not chosen as a major (zoology or chemistry). The student will be advised by a member of the Pre-Health Science Committee.

Pre-Veterinarian

A major in zoology is preferred, supported by a strong minor in chemistry. The student is advised to work into his summer schedule some courses in animal science. The student will also need some practical experience working for a veterinarian. The student will be advised by a member of the Pre-Health Science Committee.

Pre-Physician's Assistant

A zoology major with a strong chemistry minor is recommended. A student planning to apply to this program is advised to write the schools he is interested in attending for graduate work in order to learn about specific requirements.

Pre-Pharmacy

A chemistry major supported by a strong zoology minor is recommended. Molecular biology and physiology should be emphasized in the zoology minor. A student desiring a pharmacy career should write the school(s) he is interested in attending for graduate work, since some schools have specific recommendations and restrictions on what courses should be taken before applying to pharmacy school.

Pre-Optometry

A zoology or chemistry major is recommended. Physics should also be included in the program at Olivet, along with mathematics.

Pre-Physical Therapy

See the Physical Education Department for a description of this program.

Degree Program in Medical Technology

Requirements for the baccalaureate degree with a major in medical technology include:

1. Completion of a minimum of 98 semester hours including the general and group requirements for the degree. This is usually accomplished in three years of pre-professional studies. The junior year at Olivet is construed to be the last year in residence indicated in the general requirements.

2. Completion of 12 months of clinical training in a hospital laboratory school of medical technology accredited by the Council of Medical Education of the American Medical Association. Normally 30-32 upper division hours will be granted for the program, and it will apply on requirements for the major. The number of upper division hours accepted will depend upon the number of credit hours granted by the hospital laboratory school of medical technology.

Olivet Nazarene College has affiliations with three hospital schools of medical technology: Methodist Medical Center of Illinois, Peoria, Illinois; St. Joseph's Hospital, Fort Wayne, Indiana; St. Margaret's Hospital, Hammond, Indiana.

**Medical Technology Major: 51-53 Hours.
B.A. or B.S.**

Required:

Bio. 121 — General Zoology

241 — Genetics

356 — Microbiology

359 — Immunology

484 — Cellular Biology

Chem. 103 — General Chemistry

114 — Chemistry for the Physical Sciences

301 — Quantitative Analysis

311 — Organic Chemistry I

Math. 131 — Algebra and

Trigonometry

or 147 — Calculus I

To be supported by:

Bio. 373 — Introduction to Molecular Biology

or Chem. 373 — Biochemistry

and one course selected from the following:
 Bio. 120 — General Botany

245 — Human Anatomy and Physiology

Chem. 310 — Instrumental Methods of
 Analysis

312 — Organic Chemistry II

Career Programs in Nutrition, Food Science and Food Service

Providing for man's basic need for food has many different facets in career opportunities. It is quite important that each student preparing for employment in the food field spectrum have a clear concept of the kind of position which would fulfill that person's interest. The types of preparation for the various kinds of occupations can be quite different. Hence the following guidelines are presented to aid students in program selection.

Dietetics

Four year program. B.A. or B.S.

1. Preparation toward becoming a **registered dietitian**. Olivet offers the therapeutic emphasis of the American Dietetic Association (A.D.A.) program. This will prepare a person for a position as director of dietetic services within a hospital, or as a hospital dietician, or as a consulting dietician serving in extended care facilities such as nursing homes or medical groups. The student may qualify for A.D.A. membership after pursuing a traineeship or internship following graduation from Olivet.

2. Preparation toward becoming a **public health nutritionist**. The public health nutritionist is the member of the health team who assesses community nutrition needs, plans, organizes, directs, coordinates, and evaluates the nutrition component of health services.

This person may also provide supervision for less experienced nutrition personnel. One place of employment of a public health nutritionist, for example, is a city or county health department.

A person with this training is generally more involved with preventative aspects of nutrition than with therapeutic nutri-

tion. It is strongly recommended that the student plan for graduate study to obtain a master degree in public health nutrition.

See Home Economics Department for course requirements.

Interdisciplinary Major in the Physical Sciences with an Emphasis in Nutritional Science

Four year program. B.A. or B.S.

Preparation toward becoming a **research nutritional scientist**.

Such an individual conducts original laboratory research at the subcellular, cellular and organ levels as well as with experimental animals. It should be the goal of an individual in this area to pursue graduate study toward an M.S. degree and preferably toward a Ph.D. in nutritional science (nutritional biochemistry).

The Olivet undergraduate program closely follows the recommendations of the American Institute of Nutrition.

Interdisciplinary Major in the Physical Sciences with an Emphasis in Food Science and Nutrition

Four year program. B.A. or B.S.

Preparation toward becoming a **food scientist or food technologist**.

Such individuals are concerned with applying their knowledge of chemistry, biology, mathematics, physics and engineering to problems concerned with flavor, texture, nutritional value, safety and the economic production of food.

Employment opportunities may be found in industry, government and education.

The Olivet program combines a special emphasis in nutrition along with basic studies in food chemistry and food microbiology. Graduate work is recommended for a broadened preparation which includes engineering and processing aspects.

Food Service Management

Two year program

Preparation towards employment as a **food service supervisor** in hospitals, extended care facilities, restaurants and food service industries.

Food Related Courses**Basic Nutrition**

Intro. to Nutrition — HE 121

Human Nutrition — Bio. Sci., 362

Special Areas in Nutrition

World Food Problem — Soc. 374

Diet Therapy — HE 328

Nutritional Biochemistry and Metabolism — Bio. Sci., 488

Projects in Biological Sciences or Home Economics

Food Science

Food Microbiology — Bio. Sci. 375

Foodborne Disease Control — HE 333

Food Chemistry — Chem. 481

Food Service

Food Preparation — HE 130

Dietetic Field Experience

— HE 123, 124, 225, 226

Quantity Foods — HE 337

Marketing and Meal Management — HE 332

Institutional Food Management — HE 353

Natural Science — 41**Courses**

41-102 — General Physical Science. 4 hours. A broad survey course designed for the liberal art student. Major concepts from astronomy, chemistry, geology, physics and meteorology are used in a way that develops the students' understanding of man's physical environment, and at the same time indicates the special contribution of each discipline to this understanding. (Open only to students without previous physics, chemistry, or earth science courses either in high school or college.) 3 hours lecture, 3 hours laboratory.

41-107 — Engineering Graphics. 3 hours. Use of instruments; geometric construction; lettering; orthographic projections; sketching; isometric and oblique projections; inking, tracing; and blueprinting; dimensioning; sectioning. This may count toward general education requirements.

41-121 — Physical Geography. 2 hours. (Same as Geography 121.)

41-477 — Teaching of Science. 2 hours. A study of the aims, the methods, and the equipment needed for classes and instructors of the natural sciences. Taken concurrently with Educ. 480.

41-520 — Oceanography. 3 hours. The oceans; their physical, chemical, biological, and geological characteristics, with a discussion of their history.

41-540 — Paleontology. 3 hours. A study of ancient life as revealed in the fossil record: invertebrates, vertebrates, plants and man. Taxonomy, paleoecology, and environmental interpretation will all receive emphasis. Field trips. Prerequisite: a course in Biology or Geology.

41-560 — Topics in Environmental Science. 3-4 hours. An interdisciplinary approach to man's environment, emphasizing chemical, physical, biological and geological solutions for problems such as air, water, and solid waste pollution, urban development, natural resource depletion, recycling. Field trips.

41-600-699 — Graduate Level Courses. Open to some seniors. See Director of Graduate Studies.

Biological Sciences — 42

RICHARD COLLING (1981)

Associate Professor of Biology;

Chairman of the Department

B.A., 1976, Olivet Nazarene College

Ph.D., 1980, University of Kansas

WILLIAM D. BEANEY (1961)

Associate Professor of Biology

B.S., 1952, M.S., 1953, Brockport State

Teachers College

Pennsylvania State University

University of Illinois

LINFORD FALB (1980)

Assistant Professor of Biology

B.S., 1973, Ohio State University

M.S., 1976, Ohio State University

Ph.D., 1980, University of Georgia

ROBERT E. HAYES (1970)

Professor of Food Science

B.S., 1950, Union College

M.S., 1969, Massachusetts Institute of Technology

Ph.D., 1955, University of Illinois

ROBERT W. WRIGHT (1969)

Professor of Biology

B.A., 1965, Los Angeles Pacific College

M.A., Ph.D., 1970 University of California

The Biology Department seeks to prepare students to teach biology in public

schools, pursue graduate studies, enter medical school or related health sciences, secure research or industrial lab positions, enter biologically related industrial management and/or governmental positions, or enter agriculturally related areas.

In addition, the Biology Department curriculum provides training for students fulfilling the general education requirements of the college and for students who desire to expand their knowledge and understanding of biological principles.

Biological knowledge arranges itself naturally according to levels of organization. Each level (molecular, cellular, individual, and ecological) has its own rationale, principles, techniques, and language. It is desired that all biology students have experience with each level for the wealth of understanding which such a training brings to the person's own academic specialty.

All majors in the Department of Biological Sciences at Olivet take a sequence of courses designed to convey the body of thought and information which is essential to the undergraduate training of biologists regardless of their ultimate specialization.

Students majoring in the Department of Biological Sciences may earn either the Bachelor of Arts or Bachelor of Science degrees. The required courses for each degree are listed with concentrations in biology, botany and zoology.

For more detailed information on facilities, programs and career opportunities, contact the Admissions Office or the Chairman of the Biology Department.

Core Courses for All Majors in Biology Department:

- Biol. 120 — General Botany
- 121 — General Zoology
- 241 — Genetics
- 373 — Intro. to Molecular Biology
- 495 — Seminar in Biology (1 hour)

Biology Major: 30 hours. B.A.

Required:

- Core courses for all biology majors
- One botany course selected from 357, 365, 366, 403
- One zoology course selected from 353, 360, 361, 455, 484

To be supported by:

- Chem. 103 — General Chemistry
- 114 — Chemistry for the Physical Sciences
- One course in mathematics

Highly Recommended:

- Biol. 370 — Ecology

Botany Major: 30 hours. B.A.

Required:

- Core courses for all biology majors

Additional biology selected from:

- Biol. 356 — Microbiology
- 357 — Plant Anatomy
- 365-366 — Plant Morphology
- 370 — Ecology
- 403 — Plant Physiology
- 484 — Cellular Biology
- 490 — Research in Biology

To be supported by:

- Chem. 103 — General Chemistry
- 114 — Chemistry for the Physical Sciences
- One course in mathematics.

Zoology Major: 30 hours. B.A.

Required:

- Core courses for all biology majors

Additional zoology selected from:

- Biol. 353 — Embryology of the Vertebrates
- 356 — Microbiology
- 359 — Immunology
- 360 — Invertebrate Zoology
- 361 — Vertebrate Zoology
- 370 — Ecology
- 455 — Physiology
- 484 — Cellular Biology
- 490 — Research in Biology

To be supported by:

- Chem. 103 — General Chemistry
- 114 — Chemistry for the Physical Sciences
- One course in mathematics.

Biology Teaching Major: 32 hours. B.A.

Required in addition to core courses for all biology majors:

- Biol. 356 — Microbiology
- One botany course selected from 357, 365, 366, 403
- One zoology course from 353, 360, 361, 455, 484

To be supported by:

Chem. 103 — General Chemistry
 114 — Chemistry for the Physical Sciences
 One course in mathematics.
 The Professional Education Sequence,
 including Natural Science 477.

Highly Recommended:

Biol. 370 — Ecology

Biology Major: 40 hours. B.S.

Required in addition to core courses for
 all biology majors:

Biol. 356 — Microbiology
 484 — Cellular Biology

Must include at least one upper division
 botany and one upper division zoology
 course.

To be supported by:

Chem. 103 — General Chemistry
 114 — Chemistry for Physical Sciences
 301 — Quantitative Analysis
 311 — Organic Chemistry I
 Math. 147 — Calculus I
 341 — Statistics
 or 250 — FORTRAN
 One year of physics

Highly Recommended:

Chem. 312 — Organic Chemistry II
 Math. 148 — Calculus II
 341 — Statistics
 250 — FORTRAN

Botany Major: 40 hours. B.S.

Required in addition to core courses for
 all biology majors:

Biol. 357 — Plant Anatomy
 or 365 or 366 — Plant Morphology
 403 — Plant Physiology

Additional biology selected from:

Biol. 356 — Microbiology
 357 — Plant Anatomy
 or 365 or 366 — Plant Morphology
 370 — Ecology
 484 — Cellular Biology
 490 — Research in Biology

To be supported by:

Chem. 103 — General Chemistry
 114 — Chemistry for Physical Sciences
 301 — Quantitative Analysis
 311 — Organic Chemistry I
 Math 147 — Calculus I
 341 — Statistics
 or 250 — FORTRAN
 One year of physics

Highly recommended:

Chem. 312 — Organic Chemistry II
 Math. 148 — Calculus II
 341 — Statistics
 250 — FORTRAN

Zoology Major: 40 hours. B.S.

Required in addition to core courses for
 all biology majors:

Biol. 360 — Invertebrate Zoology
 or 361 — Vertebrate Zoology
 455 — Physiology
 484 — Cellular Biology

Additional biology selected from:

Biol. 353 — Embryology of the
 Vertebrates
 356 — Microbiology
 359 — Immunology
 360 — Invertebrate Zoology
 or 361 — Vertebrate Zoology
 370 — Ecology
 490 — Research in Biology

To be supported by:

Chem. 103 — General Chemistry
 114 — Chemistry for Physical Sciences
 301 — Quantitative Analysis
 311 — Organic Chemistry I
 Math. 147 — Calculus I
 341 — Statistics
 or 250 — FORTRAN
 One year of Physics

Highly recommended:

Chem. 312 — Organic Chemistry II
 Math. 148 — Calculus II
 341 — Statistics
 250 — FORTRAN

Biology Teaching Major: 40 hours. B.S.

Including the same courses listed above
 for Biology-Bachelor of Science plus the
 21-22 hour Professional Education Se-
 quence, including Natural Science 477.

Biology Teaching Minor: 24 hours**Required:**

- Biol. 120 — General Botany
- 121 — General Zoology
- 241 — Genetics
- 356 — Microbiology
- 373 — Introd. to Molecular Biology

To be supported by:

- Chem. 103 — General Chemistry
- 114 — Chemistry for Physical Sciences

Biology Minor: 16 hours**Required:**

- Biol. 120 — General Botany
 - 121 — General Zoology
- Additional courses are to be approved by the chairman of the department.

Botany Minor: 16 hours**Required:**

- Biol. 120 — General Botany
- Additional courses are to be approved by the chairman of the department.

Zoology Minor: 16 hours**Required:**

- Biol. 121 — General Zoology
 - 241 — Genetics
- Additional courses are to be approved by the chairman of the department.

Pre-Physical Therapy:

Students seeking a graduate professional degree in Physical Therapy may major in biology. See the *Catalog* section for the Department of Physical Education for details.

Courses

42-101 — General Biology. 4 hours. Principles of life are introduced, for the beginning student, with emphasis on the presentation of the plant and animal kingdoms and the cell and its processes. Lecture and laboratory. Does not apply on a major.

42-120 — General Botany. 5 hours. A lecture and laboratory course dealing with the whole plant; the cell, the chief types of tissues, stems, roots, leaves, flowers, fruits, and seeds. Important physiological phenomena, and a study of the plant kingdom are given.

42-121 — General Zoology. 5 hours. A lecture and laboratory course designed to acquaint students with the principles of animal life. Study includes taxonomy, morphology, physiology, embryology, ecology, and genetics.

42-141 — Personal and Community Health. 2 hours. The study includes essentials of personal and community health. Fundamentals of health science, scientific prevention of illness, dynamics of health in the individual and the family are studied. Elementary Education majors may apply this course to the Natural Science requirement or Physical Education requirement, but not to both.

42-241 — Genetics. 4 hours. Principles of heredity and variation illustrating the gene-chromosome concept of Mendelian inheritance are presented. Included is study of the gene: its structure, function, and chemistry, with emphasis on mutation, coding regulation, and transmission. Prerequisites: Biol. 101, 120, or 121, or consent of instructor. Lecture and laboratory.

42-245 — Human Anatomy and Physiology. 5 hours. The gross morphology of the vertebrate animal and the human body is studied. Consideration of human physiology is given using the organ system approach. Lecture and laboratory. Prerequisite: Biology 121.

42-310 — Instrumental Methods of Analysis. 4 hours. Same as Chemistry 310.

42-353 — Embryology of the Vertebrates. 4 hours. This is a study of the ontogeny of the vertebrate. Study includes basic concepts and organogenesis. Emphasis is placed on the development of the chick. Lecture and laboratory. Prerequisite: Biol. 121.

42-356 — Microbiology. 5 hours. An introduction to the microorganisms is presented with special emphasis on bacteria. Studies include history, morphology, classification, physiology, genetics, aseptic culturing technics, and practical applications. Prerequisites: Biology 120, 121, or equivalent; 4 hours of Chemistry. Lecture and laboratory.

42-357 — Plant Anatomy. 4 hours. This is an introduction to the structure of plants with emphasis on those with vascular organization. Prerequisite: Biology 120. Lecture and laboratory.

42-359 — Immunology. 4 hours. Cellular and humoral responses to infection and disease. Mechanisms of antibody formation, structure of antibodies, and the consequences of antibody interaction with antigen. Cell-mediated immunity, histocompatibility, tumor immunology, and autoimmune disease mechanisms. Prerequisites, Biology 121, Chemistry 114.

42-360 — Invertebrate Zoology. 4 hours. This is a study of the principles of zoology as they apply to the invertebrates. The study is approached from a comparative standpoint with emphasis upon the anatomy and physiology of various representative organisms. Ecological principles and microtechniques are included in the laboratory. Prerequisite: Biology 121.

42-361 — Vertebrate Zoology (Comparative Anatomy). 4 hours. Study includes anatomy physiology, ecology, and phylogeny of vertebrates. Opportunity is given for detailed laboratory dissections. Additional laboratory to be arranged. Prerequisite: Biol. 121.

42-362 — Human Nutrition. 3-4 hours. Biological and chemical principles of nutrition are presented and applied to human needs. The components of nutritional surveys are detailed and major features of nutritional deficiency diseases and other diseases with important nutritional aspects are highlighted. Students taking four units credit will also carry out self-assessment energy and dietary surveys. These projects are recommended for those who plan to apply nutrition in a practical way. Prerequisites: Biol. 101 or 121 and Chem. 112 or 311.

42-365 — Plant Morphology: Nonvascular Plants. 4 hours. A lecture and laboratory course dealing with the structure, reproduction, and development as exemplified by representative algae, fungi, and bryophytes. Prerequisite: Biol. 120.

42-366 — Plant Morphology: Vascular Plants. 4 hours. A lecture and laboratory course dealing with the structure, reproduction, and development as exemplified by representative vascular plants including psilopsids, lycopsids, sphe-nopsids, ferns, and gymnosperms. Prerequisite: Biol. 120

42-370 — Ecology. 4 hours. The relationship between organisms and their environment at the individual, population and ecosystem levels. Various habitat characteristics, pollution and projections for the future. Several Saturday field trips. Prerequisites: Biol. 120 and 121. Lecture and lab.

42-373 — Introduction to Molecular Biology. 4 hours. A survey of the chemistry and important reactions of biological molecules. Energetics, enzymology, metabolic pathways plus carbon and nitrogen utilization. Prerequisites: Biology 120 or 121, Chemistry 114. Lecture and laboratory.

42-375 — Food Microbiology. 5 hours. A study is conducted of microorganisms, and their biochemical activities, important in food spoilage and in food manufacture. Control of microbial populations in foods, methods of destruction and removal of microbes found in foods, and the evaluation of thermal process-

ing of foods are considered. Public health aspects of food-borne infections and intoxications are discussed. Lectures and laboratory. Laboratory study is designed to demonstrate culture, detection, enumeration and thermal process evaluation techniques as well as the biochemical role of certain microorganisms in food manufacture. Prerequisites: Microbiology and Biochemistry, or consent of instructor.

42-403 — Plant Physiology. 4 hours. Water relations, mineral nutrition, transport of materials, respiration, photosynthesis, growth and development. Prerequisites: Biol. 120 or equivalent, and Chem. 114. Lecture and laboratory.

42-455 — Physiology. 4 hours. An introduction to physiological and homeostatic principles with emphasis on organ systems and the intact organisms. Prerequisites: Biology 120 or 121, Chem. 114, or consent of instructor. Lecture and laboratory.

42-484 — Cellular Biology. 4 hours. Ultra-structural and functional aspects of cells and tissues with special emphasis on the physical and chemical nature of specialized cellular activities. Prerequisites: Biology 120 or 121 and 373 or consent of instructor. Lecture and laboratory.

42-488 — Nutritional Biochemistry and Metabolism. 5 hours. A study is made of the role of individual nutrients in metabolism and the metabolic interrelationships of various nutrients. Chemical and biological assessments of the nutritional value of dietary constituents are described. Lectures and laboratory. The laboratory experience consists of an introduction to techniques of animal experimentation as well as to biological and chemical techniques of nutrient assessment. Prerequisite: Introduction to Chemistry, Organic Chemistry, General Biology, Biochemistry or consent of instructor.

42-490 — Research in Biology. This course is open to advanced students with high academic achievement. Original research is to be conducted and a paper presented. Prerequisites: Permission of instructor, and at least Junior standing is required. 1 to 3 hours. Credit is not to accumulate more than 6 hours.

42-495 — Seminar in Biology. This course is required of all majors in Biology, Zoology, or Botany. This seminar provides for the discussion of biological problems of current interest and is an opportunity for the student to apply what has been learned. Zero to ½ hour. Credit not to accumulate more than two hours. To be taken in the junior and/or senior year.

42-560 — Topics in Environmental Science. 3-4 hours. An interdisciplinary approach to man's environment, emphasizing chemical, physical, biological and geological solutions

for problems such as air, water, and solid waste pollution, urban development, natural resource depletion, recycling. Field trips.

Chemistry — 43

JOHN E. HANSON (1961)

Professor of Chemistry, Chairman of Department

B.A., 1957, Olivet Nazarene College

Ph.D., 1964, Purdue University

Illinois Institute of Technology, University of Chicago

LARRY G. FERREN (1975)

Professor of Chemistry

B.S., 1970, Ph.D., 1974, University of Missouri

STEPHEN K. TAYLOR (1978)

Professor of Chemistry

B.A., 1969, Pasadena College

Ph.D., 1974, University of Nevada

The courses in this department are offered to meet the needs of the following groups of students: (1) Those who desire to obtain a general knowledge of chemistry; (2) Those preparing to teach chemistry; (3) Those taking professional courses in which chemistry is required or recommended; (4) Those preparing to do graduate work in chemistry or professional chemical work.

Chemistry Major: 32 hours. B.A.

Required:

Chem. 103 — General Chemistry

114 — Chemistry for the Physical Sciences

301 — Quantitative Analysis

311 — Organic Chemistry I

312 — Organic Chemistry II

382 — Physical Chemistry I

or 392 — Physical Chemistry II

Six additional hours of upper division Chemistry.

Supporting courses:

Math. 147 — Calculus I

148 — Calculus II

one course selected from 250, 341, 351, 361.

One year of Physics

Chemistry Teaching Major: 32 hours. B.A.

Required:

Same as above, plus the Professional Education Sequence including N.S. 477 — Teaching of Natural Sciences.

Chemistry Major: 40 hours. B.S.

Required:

103 — General Chemistry

114 — Chemistry for the Physical Sciences

301 — Quantitative Analysis

310 — Instrumental Methods of Analysis

311 — Organic Chemistry I

312 — Organic Chemistry II

382 — Physical Chemistry I

392 — Physical Chemistry II

373 — Biochemistry

or 404 — Advanced Inorganic Chemistry

Additional upper division chemistry to total 40 hours.

To be supported by:

Physics 201 — General Physics I

202 — General Physics II

Math. 147 — Calculus I

148 — Calculus II

361 — Calculus III

351 — Linear Algebra

or 357 — Differential Equations

or 362 — Calculus IV

C.S. 250 — Fortran

or Math 341 — Statistics

Minor: 16 hours

Required:

Chem. 103 — General Chemistry

114 — Chemistry for the Physical Sciences

Eight hours selected from:

Chem. 301 — Quantitative Analysis

310 — Instrumental Methods of Analysis

311 — Organic Chemistry I

312 — Organic Chemistry II

382 — Physical Chemistry I

392 — Physical Chemistry II

403 — Synthetic Inorganic Chemistry

Teaching Minor: 24 hours**Required:**

Chem. 103 — General Chemistry

114 — Chemistry for the Physical Sciences

301 — Quantitative Analysis

Courses

43-101 — Introduction to Chemistry. 4 hours. A beginning chemistry course for students with limited backgrounds in science and mathematics. Basic treatment of stoichiometry, atomic structure, chemical bonding, states of matter, solutions, and chemical reactions is given. Prerequisite: 2 units of high school mathematics. Lecture and laboratory.

43-103 — General Chemistry. 4 hours. A study of the structure and properties of matter. Atomic and molecular structure, states of matter, and physical and chemical properties of solutions are treated. Lecture and laboratory. Prerequisite: high school chemistry.

43-112 — Chemistry for the Life Sciences. 4 hours. An elementary treatment of organic and biological chemistry. Does not apply toward a major or minor in Chemistry. Prerequisite: Chemistry. 101 or 103. Lecture and laboratory.

43-114 — Chemistry for the Physical Sciences. 4 hours. The thermodynamic basis of chemical equilibrium is treated. The laboratory work includes some chemical analysis. Prerequisites: Chemistry 101 and Mathematics 131 or Chemistry 103. Lecture and laboratory.

43-301 — Quantitative Analysis. 4 hours. A careful study of gravimetric and volumetric analysis with special attention given to sources of error, to calibration of instruments and apparatus, and to other important details in the improvement of laboratory technique. 2 class sessions and 2 3-hour laboratory periods per week. Required for a major in chemistry. Prerequisite: Chemistry 114.

43-310 — Instrumental Methods of Analysis. 4 hours. Utilization and comparison of modern analytical instrumentation for chemical analysis. The techniques covered include: emission spectroscopy; ultraviolet, visible, and infrared absorption spectroscopy; gas chromatography; and electrical methods of analysis. 2 class sessions and 2 3-hour laboratory periods per week. Prerequisite: Chemistry 114. Offered in alternate years.

43-311 — Organic Chemistry I. 5 hours. The essential properties and preparations of the

important classes of carbon compounds with emphasis placed upon structural formulas and nomenclature. The laboratory work is devoted to the preparation of typical organic compounds and to the study of their properties. 3 class sessions and 2 3-hour laboratory periods per week. Required for a major in chemistry. Prerequisites: Chemistry 101 or 103 and 114.

43-312 — Organic Chemistry II. 5 hours. A continuation of Chemistry 311 and required for a major in chemistry. Prerequisite: Chemistry 311.

43-373 — Biochemistry. 5 hours. Structure and properties of biologically important compounds. Properties of enzymes. Metabolism of carbohydrates, lipids, and proteins. Thermodynamics and reaction kinetics are applied to biochemical systems. Prerequisite: Chemistry 312 or consent of instructor. Offered in alternate years.

43-382 — Physical Chemistry I. 4 hours. The general topics of thermodynamics, kinetics and electrochemistry are treated. Three 1-hour class sessions and one 3-hour laboratory session per week. Prerequisites: Chemistry 114, Chem 301 recommended, Mathematics 361, and Physics 201 and 202.

43-392 — Physical Chemistry II. 4 hours. Atomic and molecular structure, the solid and liquid states, and surface phenomena. Three 1-hour class sessions and one 3-hour laboratory session. Prerequisite: Same as for Chemistry 382. Offered in alternate years.

43-403 — Synthetic Inorganic Chemistry. 2 hours. A study of the preparation and properties of inorganic substances, with emphasis on developing laboratory skills. Prerequisite: 14 hours of chemistry.

43-404 — Advanced Inorganic Chemistry. 3 hours. A study of atomic structure, chemical bonding, and the chemistry of selected elements. Prerequisites: Chemistry 301 and 311. Offered in alternate years.

43-481 — Food Chemistry. 4 hours. The structure, composition, and physiochemical properties of food, together with the chemistry of changes occurring during maturation, processing and storage are considered. Lectures and laboratory. Laboratory study principally involves assessment of chemical properties and chemical changes occurring in foods. Prerequisites: Chem. 301 and 373, Chem. 382 recommended.

Geological Sciences — 44

MAX W. REAMS (1967)

*Professor of Geology; Chairman of
Department of Geological Sciences;
Chairman of the Division of
Natural Sciences*

B.A., B.S., 1961, M.S., 1963, University
of Kansas

Ph.D., 1968, Washington University
(St. Louis)

ALFRED J. FLEMING (1981)

*Assistant Professor of Geological
Sciences*

B.A., 1975, Olivet Nazarene College

M.S., 1978, University of Wisconsin

Graduate study, University of Kansas
Northern Illinois University

Career opportunities are very abundant
in the Geological Sciences.

Three major crises make the demand
for earth scientists heavy: the energy
crisis, the water crisis and the mineral
resources crisis.

Olivet graduates in the Geological
Sciences are employed by petroleum com-
panies, government agencies, mineral
industries, service industries, and as
teachers or school administrators. A
majority of Olivet's graduates in
Geological Sciences go on to graduate
schools, almost all with graduate
assistantships.

Olivet's program is a balance of theory,
lab skills and techniques, field work and
research. Departmental resources include a
rock lab; fine collections of rocks, minerals
and fossils; good map and library holdings;
equipment including microscopes, explora-
tion seismograph, electrical resistivity appa-
ratus, x-ray powder diffractometer with
powder cameras and single crystal preces-
sion camera, 12-inch reflecting telescope,
solar telescope, 30-foot planetarium, micro-
computers, etc.

The Department also provides prepara-
tion for students fulfilling General Educa-
tion Requirements, majors in the Interdisci-
plinary Programs, and for those who want
to expand their awareness of their physical
environment.

For detailed outlines of the Geological
Science programs, write or phone the
Chairman of the Department.

Geological Sciences Major, B.S.:

Required Core: 32 hours

Geol. Sci. 105 — Physical and Historical
Geology

301 — Paleontology and Stratigraphy

303 — Geomorphology and Hydrology

353 — Mineralogy and Optical

Crystallography

355 — Petrology and Geochemistry

363 — Sedimentology and Sedimentary
Petrology

366 — Structural Geology and Field
Methods

390 — Seminar

389 — Exploration Geophysics

or 492 — Research

Option A: Geobiology

18 hours of approved* Biology

Option B: Geochemistry

3 hours of approved* upper division
Mathematics

Chem. 301 — Quantitative Analysis

382 — Physical Chemistry I

8 hours of approved* upper division
Chemistry

Option C: Geology

3 hours of approved* Geological
Science

16 hours of approved* Biology, upper
division Chemistry, Computer Science,
Mathematics, and/or Physics.

Option D: Geomathematics/Computer Science

3 hours approved* upper division
Mathematics

3 hours approved* upper division
Computer Science

6 hours approved* upper division Math.
and/or Computer Science

Option E: Geophysics

9 hours approved* upper division
Math.-Computer Science

9 hours approved* upper division
Physics

Geol. Sci. 492 — Research and Geol.

Sci 389 — Exploration Geophysics are
required.

*Approved by Department Chairman

Supporting Courses:

Math. 147 — Calculus I

148 — Calculus II

341 — Statistics

C.S. 250 FORTRAN

Chem. 103 — General Chemistry

114 — Chemistry for the Physical Sciences

Physics 201 — General Physics I

202 — General Physics II

Teaching Major: See Interdisciplinary Major in the Physical Sciences

Geological Science Minor: 16 hours**Required:**

Courses approved by the Chairman of the Department in accordance with students' needs.

Earth and Space Science Teaching Minor: 24 hours**Recommended:**

G.S. 105 — Physical and Historical Geology

130 — Astronomy

351 — Planetarium Operations

Courses

44-105 — Physical and Historical Geology. 4 hours. The earth's surface and interior and the processes which form them. Origin of the earth and its changing patterns of continents, oceans and life. Laboratory uses minerals, rocks, fossils, topographic and geologic maps, and aerial photographs to interpret changes in the earth and its life through time. Short field trips. 3 lecture periods and 1 laboratory period.

44-130 — Astronomy. 4 hours. An introduction to the structure and origin of the universe. Includes the study of the solar system, stars, galaxies, black holes, quasars, etc. Laboratory introduces the student to various techniques used in astronomical studies. The planetarium and observatory are utilized. 3 lecture periods and 1 laboratory period.

44-301 — Paleontology and Stratigraphy. 4 hours. The fossil record of life on earth. History, taxonomy, patterns of development and ancient communities. Layered rock sequences and their historical interpretation. Laboratory emphasizes fossil identification, environmental interpretation, correlation and classification of sections, well-logging and sub-

surface methods. Fields trips. Prerequisite: Geological Science 105 or Biological Science 120 or 121. 3 lecture periods and 1 laboratory period. Offered in alternate years.

44-303 — Geomorphology and Hydrology. 4 hours. The study of surficial processes and the landforms they produce. Analysis of the hydrologic cycle, emphasizing groundwater flow and its interrelationships with surface water. Laboratory involves analysis of landforms using maps, aerial photographs and satellite imagery; measurements of geomorphic processes; aquifers and surface flow will be analyzed using well data, resistivity equipment, current meter, etc. 4 day field trip. Prerequisite: Geological Science 105. 3 lecture periods and 1 laboratory period. Offered in alternate years.

44-312 — Geology of Illinois. 3 hours. A study of the landscape, structure, mineral and water resources, environmental problems and hazards, rocks, minerals, fossils and geologic history of Illinois. Short field trips. No prerequisites. Offered in alternate years.

44-351 — Planetarium Operations. 3 hours. A "hands-on" experience in planetarium operations. Includes application of astronomical concepts, program development, planetarium techniques, and the use of other astronomical tools. The planetarium will be used extensively, as well as the observatory. Prerequisite: Geological Science 130.

44-353 — Mineralogy and Optical Crystallography. 4 hours. The earth's minerals, their origin, crystal structures, crystal optics, physical and chemical properties, and economic significance. Laboratory uses crystal models, stereographic projections, goniometers, X-ray single crystal and powder diffraction cameras, and physical and chemical methods to identify minerals, with special emphasis on the petrographic microscope, studying mineral grains and thin sections. Prerequisite: Chemistry 114 or Physics 202; and Math 131 or equivalent. 2 lecture periods and 2 laboratory periods. Offered in alternate years.

44-355 — Petrology and Geochemistry. 4 hours. The chemical, mineralogical and textural properties of igneous and metamorphic rocks; their field occurrences and relationships to tectonic processes; their origin and diversity in terms of chemical equilibria. Problem-solving emphasizes quantitative geochemistry of igneous, metamorphic and sedimentary processes. Laboratory emphasizes description, classification and interpretation of hand specimens and thin sections, with supplementary X-ray powder diffractometry data. 4 day field trip. Prerequisite: Geological Science 353. 2 lecture periods and 2 laboratory periods. Offered in alternate years.

Mathematics and Computer Science — 45

44-363 — Sedimentology and Sedimentary Petrology. 4 hours. The composition, textures and structures of sedimentary rocks; processes which form these features; facies relationships, basin analysis and tectonic frameworks. Laboratory includes sieve analysis, study of thin sections, use of the X-ray diffractometer and study of sedimentary features. 4 day field trip. Prerequisite: Geological Science 105. 3 lecture periods and 1 laboratory period. Offered in alternate years.

44-366 — Structural Geology and Field Methods. 4 hours. The nature and origin of the earth's deformed rocks considered at scales ranging from atomic to global. Plate tectonics and regional geology, especially of North America. The structure and origin of the earth's deep interior. Laboratory emphasizes solving structural problems, interpreting geologic history, geologic mapping using aerial photographs, etc., and field mapping of igneous and sedimentary rocks involving instruments, drafting techniques, and writing geologic reports. 4 day field trip. Prerequisite: Geological Science 105. Trigonometry is recommended. 3 lecture periods and 1 laboratory or field period. Offered in alternate years.

44-389 — Exploration Geophysics. 3 hours. Introduction to geophysical methods and interpretation of geophysical anomalies in the exploration of continental and oceanic areas. Petroleum, mining and engineering applications. Laboratory emphasizes problem solving and field work. Field trips. Corequisites: Physics 202 and Mathematics 148. 2 lecture periods and 1 laboratory period. Offered in alternate years.

44-390 — Seminar. 1 hour. Special topics of current interest in the geological sciences. Prerequisite: 7 hours of Geological Sciences. Offered in alternate years.

44-492 — Research. 1-3 hours. Detailed study of an area of the student's interest, involving library, laboratory and/or field work. Paper required. Prerequisite: Senior standing and 15 hours of Geological Sciences.

44-512 — Geology of Illinois. 3 hours. Same as Geological Science 312. A paper is required. Offered in alternate years.

44-520 — Oceanography. 3 hours. The form, structure and history of ocean basins; movements, composition and origin of the sea; origin and distribution of sediments and life in the oceans; oceanographic methods. No prerequisite. 3 lecture periods. Offered in alternate years.

DAVID T. ATKINSON (1970)

Professor of Mathematics; Chairman of Department

B.S., 1964, Eastern Nazarene College

M.A., 1967, Boston University

Ph.D., 1975, University of Illinois

KEITH O'DELL (1981)

Assistant Professor of Mathematics and Computer Science

B.S., 1960, M.A., 1962, Central Michigan University

University of Nebraska

LARRY D. VAIL (1981)

Instructor in Mathematics and Computer Science

B.A., 1978, Olivet Nazarene College

University of Illinois

JOHN B. WILLIAMS (1979)

Assistant Professor of Mathematics

B.A., 1971, Olivet Nazarene College

M.S., 1973, Purdue University

University of Illinois

The objectives of the Department of Mathematics and Computer Science are: (a) to provide preparation in mathematics or computer science for graduate study, teaching, and use in business and industry; (b) to provide understanding of the historical development, deductive nature, and contemporary progress of mathematics and computer science; and (c) to provide appreciation for the cultural value, logical structure, and diverse applications of mathematics and computer science.

The college computer center is equipped with a dual processor General Automation 16/480 computer system with two 256K bytes of primary memory and 80 megabytes of disc memory. The equipment also includes 11 line printers, a card reader, 43 CRT terminals and two TTY teletype terminals.

The center supports the administrative, business and academic functions of the college. The systems serve several depart-

ments in addition to computer science, such as physics and chemistry.

The computer center is located in the west wing of the Benner Library and Learning Resource Center.

**Core Requirements for all
Departmental Majors:**

All departmental work applied to a major must be in courses numbered 147 and above, including:

- 147 — Calculus I
- 148 — Calculus II
- 250 — Fortran Programming
- 341 — Statistics
- 351 — Linear Algebra

Major: 33 Hours. B.A.

Option A: Mathematics

Additional requirements:

- 361 — Calculus III
- 459 — Advanced Calculus I
- 463 — Modern Algebra I
- 362 — Calculus IV
- or 460 — Advanced Calculus II
- or 464 — Modern Algebra II

To be supported by a minor of at least 16 hours or a second major.

Option B: Computer Science

At least 18 hours must be in computer science, including:

- 251 — Cobol Programming
- 370 — File Management
- 375 — Information Structures
- 495 — Research Problems in Computer Science

To be supported by a minor of at least 16 hours or a second major.

Option C: Mathematics Teaching

Additional requirements:

- 355 — Modern College Geometry
- 361 — Calculus III
- 463 — Modern Algebra I
- 473 — Foundations of Mathematics

The professional education sequence must be completed, incl. Math 474 Tchg. of Math.

Major: 42 Hours. B.S.

Option A: Mathematics:

Additional requirements

- 361 — Calculus III
- 362 — Calculus IV
- 354 — Numerical Analysis
- or 382 — Probability and Mathematical Statistics
- 459 — Advanced Calculus I
- 463 — Modern Algebra I
- 460 — Advanced Calculus II
- or 464 — Modern Algebra II

To be supported by 15 hours in one or two areas which emphasize the use of mathematics. At least 9 hours must be upper division and must be approved by the department chairman.

Option B: Computer Science

At least 24 hours must be in computer science, including:

- 251 — Cobol Programming
- 370 — File Management
- 375 — Information Structures
- 380 — Assembler Language Programming
- 495 — Research Problems in Computer Science

To be supported by 15 hours in one or two areas which emphasize the use of computers. At least 9 hours must be upper division and must be approved by the department chairman.

Mathematics Minor: 17 hours

- 147 — Calculus I
- 148 — Calculus II

Three of the following four:

- 250 — Fortran
- 351 — Linear Algebra
- 361 — Calculus III

Any other upper division Mathematics course.

Computer Science Minor: 18 hours

- 250 — Fortran Programming
- 251 — Cobol Programming

370 — File Management and additional upper division computer science courses.

Mathematics Teaching Minor: 20 hours

147 — Calculus I

148 — Calculus II

351 — Linear Algebra

and additional mathematics above 148.

The professional education sequence must be completed. It is recommended that those electing the mathematics teaching minor check that they satisfy the minimum requirements for mathematics certification in the state where they intend to teach. Also the methods course, 474 Teaching of Mathematics, is recommended and may be required in some states.

Associate of Arts Degree in Computer Science

Required:

Math. 250 — FORTRAN

251 — COBOL

370 — File Management

375 — Information Structures

Two additional courses in Computer Science

To be supported by:

Math 131 — Algebra and Trigonometry or 147 — Calculus I

Accounting 105, 106

Mathematics Courses

45-101 — Mathematics for General Education. 3 hours. An introduction to basic mathematics and the calculator. Students are required to have a scientific calculator with an algebraic operating system and are taught basic algebraic notation via the calculator. Applications include the Pythagorean theorem, scientific notation, summation notation, basic statistical measures, arithmetic and geometric sequences, financial and loan problems, and the graphing of equations. Elementary applications of logarithms, exponential functions, and trigonometric functions are also considered.

45-105 — Intermediate Algebra. 3 hours. The study of polynomials; factoring; simplifying of fractional, exponential and radical expressions; linear and quadratic equations; word problems; functions and their graphs; and systems

of equations. Prerequisite: One year of high school algebra or equivalent.

45-111 — Mathematics for Elementary Teachers I. 3 hours. Set notation and operations, number systems and other bases. Special attention is given to whole numbers, integers, rational numbers, and real numbers. Properties of the fundamental operations of arithmetic are studied.

45-112 — Mathematics for Elementary Teachers II. 3 hours. A continuation of Math. 111. Topics from algebra, geometry and statistics. A major portion deals with microcomputer literacy, including software evaluation, and a survey of available software. Prerequisite: Math 111.

45-117 — Finite Mathematics with Business Applications. 3 hours. An introduction to finite mathematics with applications in business and management areas. Constructing and using linear models; matrices; solving linear systems of equations; linear programming; mathematics of finance; probability. Prerequisite: an ACT Mathematics score of 15 or above, or Math. 101 or Math 105.

45-131 — Algebra and Trigonometry. 4 hours. Binomial expansion, inequalities, induction proofs, complex numbers, function notation, logarithms, and basic combinatorics; trigonometric functions, graphs, identities and equations; laws of sines and cosines, DeMoivre's Theorem. Prerequisites: 3 years of high school mathematics, or Mathematics 105, or equivalent.

45-132 — Trigonometry. 2 hours. Trigonometric functions, graphs, identities, solving trigonometric equations, laws of sines and cosines, and DeMoivre's theorem. Prerequisite: 3-1/2 years of high school mathematics or a course in college algebra. Math. 131 and 132 cannot both be taken for credit. Math 132 is the last half of course 131.

45-147 — Calculus I. 4 hours. An introduction to the calculus of one variable with associated analytic geometry. A review of selected topics from algebra; limits; continuity; derivatives and applications; indefinite integration with applications; the definite integral and the fundamental theorem of calculus. Prerequisite: 4 years of high school mathematics or Math. 131, and consent of the instructor.

45-148 — Calculus II. 4 hours. A continuation of Math 147. Applications of the definite integral; elementary transcendental functions, including their derivatives and integrals; techniques of integration; polar coordinates; hyperbolic functions; conics; L'Hopital's rule; improper integrals; and Taylor's formula. Prerequisite: Math 147 and consent of the instructor.

45-341 — Statistics. 4 hours. An introductory course in statistics with applications from a variety of disciplines including education, psychology and sociology. Topics include descriptive statistics, probability, expected value, sampling distributions, estimation, hypotheses testing of means and proportions (one and two sample cases), regression, correlation, chi-square, nonparametric statistics, and an introduction to analysis of variance and latin square designs. Students taking this course for mathematics credit will be assigned additional work, particularly in probability. Prerequisite: The general education requirement in mathematics must be completed before taking statistics.

45-351 — Linear Algebra. 3 hours. This course covers the fundamentals of linear algebra, including systems of linear equations, matrices, determinants, vectors and vector spaces (linear independence, basis, dimension, inner product spaces, orthonormal bases), linear transformations, eigenvalues and eigenvectors. Prerequisite: Math 148.

45-354 — Numerical Analysis. 3 hours. The field of numerical analysis deals with mathematical theory which leads to algorithms for solving various types of applied problems. The algorithms are generally highly computational and require a calculator and/or a computer for their execution. Topics include partial summing of infinite series, solution of non-linear equations, systems of non-linear and linear equations, numerical integration and differentiation, linear and multiple regression, and the numerical solution of differential equations. Prerequisites: Math 250, 351, and 361. Offered every third year.

45-355 — Modern College Geometry. 3 hours. A study of Euclidean Geometry with Hilbert's axioms and projective geometry including duality, harmonic sequences, transformations, and analytic projective geometry. Corequisite: Math 351. Offered every third year.

45-357 — Differential Equations. 3 hours. An introduction to differential equations with an emphasis on solving differential equations. Topics include first order equations, linear differential equations, inverse differential operators, the LaPlace transform, nonlinear equations, and power series solutions. Prerequisite: Math 361.

45-361 — Calculus III (Multivariate Calculus). 3 hours. A study of the calculus of real-valued functions of several variables. Partial derivatives, multiple integrals, and infinite series. Prerequisite: Math 148.

45-362 — Calculus IV (Vector Analysis). 3 hours. The calculus of vector functions, line and surface integrals, theorems of Green,

Gauss, and Stokes. An introduction to Fourier series. Prerequisite: Math 361.

45-382 — Probability and Mathematical Statistics. 3 hours. Continuous probability spaces, density and distribution functions, random variables, expectations, variance, independence, conditional distributions, random sampling, law of large numbers, estimation of parameters, central limit theorem, hypothesis testing, moment generating functions regression. Prerequisites: Math 341 and 361. Offered every third year.

45-459 — Advanced Calculus I. 3 hours. A careful study of functions from En to Em. Topology of En, continuity and uniform continuity, mean value theorems, Taylor's Theorem, integration, convergence and uniform convergence, power series, improper integrals. Prerequisite: Math 362.

45-460 — Advanced Calculus II. 3 hours. A continuation of Math 459. Linear transformations, total differential, differentiation, implicit function theorems, application of differentiation to geometry and analysis, differential forms, vector analysis, line and surface integrals, Theorems of Green, Gauss and Stokes. Prerequisite: Math 459. Offered in alternate years.

45-463 — Modern Algebra I. 3 hours. A study of fundamental structures of algebra, including groups, rings, integral domains, fields vector spaces and modules, substructures, homomorphisms, image structures, quotient structures and product structures. Finitely generated abelian groups, solvable groups, Jordan-Holder theorem, Sylow theory, polynomial rings, unique factorization domains, Euclidean domains, extension fields, finite fields, algebraic closure and constructible numbers. Corequisite: Math 351. Offered in alternate years.

45-464 — Modern Algebra II. 3 hours. A continuation of Math 463. Field theory: Separable and inseparable extensions, splitting fields and normal extensions, Galois theory, transcendental extensions. Module and ideal theory; Ideal arithmetic, primary ideals, Noetherian rings, Hilbert's theorem. Linear and multilinear algebra: Diagonalization of matrices, Jordan canonical form, bilinear forms, tensor products. Homological algebra: Exact sequences, functors, homology. Prerequisite: Math 463. Offered in alternate years.

45-473 — Foundations of Mathematics. 3 hours. A consideration of the origin, history, literature and nature of mathematics. Possible topics include Euclid's Elements, development of non-Euclidean geometry, Hilbert's postulates for geometry, algebraic structure, the modern mathematical method, number sys-

tems, sets, logic and philosophy. Prerequisite: Math 351.

45-474 — The Teaching of Mathematics. 2 hours. A consideration of the problems, materials and methods involved in contemporary mathematics teaching. Implications of current developments and trends in mathematics for the teacher. Prerequisite: Math 473. (Applies only on a teaching major or a teaching minor.) Taken concurrently with Educ. 480.

45-491 — Topics in Mathematics or Computer Science. Selected topics in mathematics to provide opportunity for individual attention to areas of special interest. Prerequisite: Consent of the instructor. Hours to be arranged.

45-561 — Statistics. 4 hours. This course is the same as Education and Mathematics 341. In addition to the computational problems assigned, graduate students will do some readings from educational journals. Some additional problems, particularly in probability, will be assigned to those taking the course for mathematics credit.

Computer Science Courses

45-125 — Concepts of Computer Science. 3 hours. Basic concepts of computer mathematics, problem analysis and flowcharting techniques, essential concepts concerning computer hardware and software, student programming using the BASIC programming language. Problems span scientific and business type applications. This course does not count toward a computer science major or minor.

45-240 — Introduction to Programming for Computer Sciences. 3 hours. A first course for computer science majors and minors. Emphasizes structured programming techniques using the Pascal programming language. Features of Pascal will be studied including: I/O, data types, arithmetic and logical expressions, and control flow. Problems will be related to computer and information science topics.

45-250 — Fortran Programming. 3 hours. Writing, debugging and testing of Fortran programs. A study of Fortran statements including I/O, data types, arithmetics and conditionals. Use of algorithms including counting, loops, accumulation and linear selection.

45-251 — Cobol Programming. 3 hours. Presents the fundamentals of the ANSI Cobol language. Emphasis is placed on design, writing, debugging and testing of programs that store and process data using basic computer file concepts.

45-370 — File Management. 3 hours. Utilization of advanced COBOL concepts for file management, consideration of various general-purpose file management and data base man-

agement systems and their usage. Problems for business applications using various indexed-sequential, random and indexed-random organizations. Prerequisite: CS 375.

45-375 — Information Structures. 3 hours. Concepts of various data and file structures to include indexed-sequential techniques, random organization, indexed-random, integrated and directoried files. Applications of basic stack queue, array, vector, list, string, graph, tree, and ring mechanisms. Techniques of table-lookup and sorting algorithms. Prerequisite: CS 250.

45-380 — Assembler Language Programming. 3 hours. Includes subroutines, overlays, linkages, indexing, indirect addressing, and machine language organization. Application of various assembler language algorithms. Prerequisite: CS 250.

45-385 — Computer Simulation and Statistical Techniques. 3 hours. Concepts of computer modeling and simulation of scientific and business applications. Application of continuous and discrete probabilities such as uniform, normal, Poisson, and chi-square distributions. Usage of various statistical subroutines and simulation languages will be studied. Prerequisites: CS 250, 341. Offered in alternate years.

45-390 — Systems Analysis and Design. 3 hours. Includes the latest techniques in structured design and implementation of data base management systems in the fields of business and industry. The designs serve to integrate the structures and file techniques of courses 370 and 375 into large data base systems.

45-395 — Data Communication. 3 hours. A study of the development of various types of hardware and software protocols used in communication networks. Consideration of the impact of data communication in relation to networking and distributed processing. Prerequisite: 6 hours of Computer Science. Offered in alternate years.

45-440 — Computer Hardware Architecture and Design. 3 hours. Consideration of the functional design of the basic mainframe and peripheral hardware components of a computer system. Specific interest in the interrelation of the hardware and the operating system software, such as I/O, interrupt handling and job flow. Prerequisite: CS 380 or consent of the instructor.

45-450 — Theory of Compilers and Assemblers. 3 hours. Study of the components and design of a basic assembler and a typical compiler. Consideration of the interaction of compilation and assembly. Particular attention will be given to the various solutions to assembler/compiler problems. Students will be required to prepare working portions of an assembler and/or compiler. Prerequisite: CS 380. Offered in alternate years.

45-455 — Operating Systems. 3 hours. Consideration of the primary modules of an operating system including bootstrap, absolute and relocatable loaders, debug facilities, I/O subsystems and utilities. Study of system job flow, scheduling, resource management and allocation, system spooling, and performance monitoring. Prerequisite: CS 450. Offered in alternate years.

45-495 — Research Problems in Computer Science. 1 to 3 hours. Students will be required to define a "real-world" computer application problem and follow it through to a workable solution. The student will be assigned a faculty adviser for the project. This project may be pursued within the various departments of the college or in cooperation with local business or industry. Periodic progress reports will be required at prearranged phase points of the project. Prerequisite: consent of the faculty adviser monitoring the project.

Physics — 46

IVOR GILBERT NEWSHAM (1972)

Professor of Physics,

Chairman of the Department

B.A., 1968, Northwest Nazarene College
Ph.D., 1972, Washington State University

JAMES LUTHER GARNER (1984)

Assistant Professor of Physics

B.S., 1978, Cleveland State University
Ph.D., 1983, Ohio State University

The Department of Physics aims to help students to:

1. Develop habits of constructive, critical thinking and effectiveness in oral and written communication.

2. Develop an understanding of the nature of science and its relationship to the Christian life.

3. Relate both their faith and their understanding of science to contemporary scientific and technological problems.

4. Acquire an understanding of facts, methods, and concepts in physics and engineering.

5. Describe physical phenomena in mathematical terms and use the mathematical description to predict physical results.

6. Be prepared for graduate study or professional practice in the field of physics; or Acquire a general background

in physics for entering the fields of teaching, engineering, the medical profession, or other related science areas.

Olivet graduates in physics and engineering have attended graduate schools in physics, mathematics, medicine and engineering. Some have become high school teachers. Others have taken a variety of technical jobs in industry and government.

The emphasis in all the physics and engineering programs at Olivet is on a strong, broad mathematical and science base. This provides students with the ability to adapt readily to technological change since, in general, the science and mathematics change slower than the technology. Many companies require new employees to have a broad liberal arts education along with a strong mathematics and science background.

Physics Major: 32 hours. B.A.

Required:

Physics 201 — General Physics I

202 — General Physics II

311 — Electronics I

331 — Classical Mechanics I

341 — Modern Physics I

361 — Electricity and Magnetism

480 — Seminar in Physics

9 additional hours of upper division Physics

To be supported by:

Chem. 103 — General Chemistry

114 — Chem. for Physical Sciences

Math 147, 148, 361 — Calculus

6 additional hours of upper division Mathematics

Physics Teaching Major: 32 hours. B.A.

Required:

The same as the regular Physics major, plus the Professional Education Sequence, including N.S. 477 — Teaching of Natural Sciences. Physics 362-Optics is strongly recommended as one of the selected courses.

**Engineering Physics Major: 44 hours.
B.S.**

Required:

Physics 107 — Engineering Graphics

201 — General Physics I

202 — General Physics II

311 — Electronics I

312 — Electronics II

331 — Classical Mechanics I

332 — Classical Mechanics II

341 — Modern Physics I

361 — Electricity and Magnetism

480 — Seminar in Physics

493 — Research in Physics (3 hours)

9 additional hours of upper division
Physics

To be supported by:

Chem. 103 — General Chemistry

114 — Chemistry for Physical Sciences

Math 147, 148 — Calculus I and II

250 — Fortran Programming

361 — Calculus III

362 — Calculus IV

6 additional hours of upper division
Mathematics

A foreign language is required in
meeting the General Education Require-
ments. German is recommended.

Physics Minor: 19 hours

Required:

Physics 201 — General Physics I

202 — General Physics II

311 — Electronics I

6 additional hours of upper division
Physics

Physics Teaching Minor: 24 hours

Required:

Physics 201 — General Physics I

202 — General Physics II

311 — Electronics I

477 — Teaching of Natural Sciences

9 additional hours of upper division
Physics

Courses

46-107 — Engineering Graphics. 3 hours. Use
of instruments; geometric construction; letter-
ing; orthographic projection; sketching; iso-
metric and oblique projections; inking, tracing

and blueprinting; dimensioning; sectioning.
Lecture and laboratory. Offered in alternate
years.

46-121 — College Physics I. 4 hours.
Mechanics, Sound, Fluids, Thermodynamics. A
non-calculus course for Life Scientists and
General Education. Emphasis is on Life Science
applications. 3 lecture periods and 2 laboratory
hours per week. Prerequisite: Math 131 —
Algebra and Trigonometry or its equivalent.

46-122 — College Physics II. 4 hours. Con-
tinuation of Physics 121. Electricity, Magnetism,
Optics, Atomic and Nuclear Physics. Prerequ-
isite: Physics 121.

46-201 — General Physics I. 5 hours.
Mechanics, Fluids, Waves, Sound Thermo-
dynamics. A calculus based course for physical
scientists and engineers. 3 lecture periods and 4
laboratory hours per week. Corequisite: Math
147 (Calculus I) or equivalent.

46-202 — General Physics II. 5 hours. A
Continuation of Physics 201. Optics, electricity,
magnetism, atomic physics, modern physics.
Prerequisite: Physics 201.

46-311 — Electronics I. 3 hours. An intro-
duction to electronics and instrumentation
dealing with the principles and application of
electrical circuit theory, transducers, diodes,
transistors, and amplifier circuits. Prerequisite:
Physics 202. Two 2½ hour lecture-laboratory
periods per week. Offered in alternate years.

46-312 — Electronics II. 3 hours. A contin-
uation of Physics 311 dealing with operational
amplifiers, waveform generators, digital basics
and circuitry, and microcomputer applications.
Prerequisite: Physics 311. Offered in alternate
years.

46-331 — Classical Mechanics I. 3 hours.
Dynamics of particles and of rigid bodies, work
and energy, momentum, harmonic motion,
moments of inertia, and central force motion
are among the topics covered. 3 hours lecture
per week. Prerequisite: Physics 202. Offered in
alternate years.

46-332 — Classical Mechanics II. 3 hours. A
continuation of the study of mechanics dealing
with Lagrangian and Hamiltonian mechanics,
non-inertial reference systems, inertia tensors,
rotation of rigid bodies, and oscillating systems.
Prerequisite: Physics 331. Offered in alternate
years.

46-341 — Modern Physics I. 3 hours. The
foundation of atomic physics and an introduc-
tion to quantum theory and special relativity. 3
lecture periods per week. Prerequisite: Physics
202. Offered in alternate years.

46-342 — Modern Physics II. 3 hours. A continuation of Physics 341 dealing with molecules, solids, nuclear and high energy physics. 3 lecture periods per week. Prerequisite: Physics 341. Offered in alternate years.

46-361 — Electricity and Magnetism. 3 hours. A study of the laws of electrostatics, magnetism, electric and magnetic fields, and Maxwell's equations. Special emphasis is given to the theoretical aspects of the subject. Prerequisite: Physics 202, Math 362. 3 lecture periods per week. Offered in alternate years.

46-362 — Optics. 3 hours. Geometric, wave, physical, quantum and applied optics. 2 hours lecture, 2 hours laboratory per week. Prerequisite: Physics 361. Offered in alternate years.

46-388 — Geophysics. 3 hours. (Same as Geological Science 388.)

46-460-470 — Advanced Topics in Physics. 3 hours. Three hour courses to be offered no more than once every two years as advanced topics. For example, 46-460 — Thermodynamics and Statistical Physics: 46-461 — Quantum Mechanics.

46-480 — Seminar in Physics. 0 to 1 hour. A seminar course with papers presented by students. One hour of credit (6 papers) required for graduation. Required attendance for all junior and senior physics majors. Prerequisite: approval of the instructor.

46-493 — Research in Physics. 1 to 3 hours. Participation in a faculty research project in physics consisting of both literature research and laboratory work. Prerequisite: approval of instructor. (Up to 6 hours can be counted towards a major.)



Physics students work with microcomputers as well as conventional drawing instruments for design problems which can be more readily solved through Computer Assisted Design programs.



Audio-Visual aids are an important part of classroom instruction. This New Testament class is learning through a video-tape on the life of Paul, plus an outline on the overhead projector.

Division of Religion and Philosophy

Biblical Literature — 51

Philosophy — 52

Christian Education — 53

Theology — 54

J. Ottis Sayes, Chairman

The Division of Religion and Philosophy includes the Departments of Biblical Literature, Philosophy, Christian Education, and Theology. Practical as well as theoretical in scope, this division has certain immediate objectives which relate the specific aims of its departments to the general objectives of the College. Among these are the following: (1) to acquaint the student with the religious, cultural, and scriptural heritage of the Christian faith that he may be led to self-realization through a full commitment to Christ; (2) to help the student, through the various methods of thought, to arrive at the world view in harmony with both reason and revelation; (3) to help the student gain a sense of responsibility for evangelism and to apply Christian principles to the socio-economic and cultural problems of our day; (4) to prepare lay and ministerial students for a life of Christian service in the church and community; and (5) to prepare students for further graduate studies in their chosen fields.

Faculty: Religion and Philosophy

J. OTTIS SAYES (1956)

*Professor of Christian Education;
Chairman of Division of Religion
and Philosophy*

Th.B., 1944, Bethany Nazarene College

B.D., 1947, Nazarene Theological Seminary

M.R.E., 1951, D.R.E., 1955, Southwestern Baptist Theological Seminary

GROVER BROOKS (1974)

Special Lecturer in Biblical Literature

B.A., 1971, M.A., 1973, Olivet Nazarene College

WILLIAM W. DEAN (1972)

Professor of Religion

B.A., 1950, Bethel College

M.Div., 1952, Asbury Theological Seminary

Ph.D., 1965, University of Iowa

C. WILLIAM ELLWANGER (1977)

Associate Professor of Theology

Th.B., 1945, Olivet Nazarene College

B.D., 1948, Nazarene Theological Seminary

Trinity Evangelical Divinity School

KENNETH HENDRICK (1974)

Professor of Biblical Literature

B.A., 1959, Olivet Nazarene College

M. Div., 1962, Nazarene Theological Seminary

Th.M., 1969; D.Min., 1975, Midwestern Baptist Seminary

GEORGE LYONS (1977)

Professor of Biblical Literature

B.A., 1970, Olivet Nazarene College

M.Div., 1973, Nazarene Theological Seminary

Ph.D., 1982, Emory University

LESLIE PARROTT (1975)

*President of the College; Professor
of Theology*

Th.B., 1944, Olivet Nazarene College

M.A., 1948, Willamette University

Ph.D., 1958, Michigan State University

Post-Doctoral Certificate, 1974, Harvard University

LARRY REINHART (1979)

*Assistant Professor of Religion;
Career Planning Counselor*

B.A., 1962, Olivet Nazarene College

M.Div., 1979, Nazarene Theological Seminary

M.A., 1969, Olivet Nazarene College

M.A., 1983, Governor's State University

Trinity Evangelical Divinity School

ROBERT D. SMITH (1982)

Assistant Professor of Theology

B.A., 1974; M.A., 1975, Bethany Nazarene College

M.Div., 1977, Nazarene Theological Seminary

Ph.D., 1981, Baylor University

F. FRANKLYN WISE (1969)

Professor of Christian Education

B.A., 1944, Eastern Nazarene College

M.Ed., 1952, Ph.D., 1958, University of Pittsburgh

WILLIAM WOODRUFF (1968)

*Associate Professor of Biblical
Literature*

B.A., 1954, Ottawa University

M.Div., 1958, Fuller Theological Seminary

M.R.E., 1963, M.Th., 1964, Asbury Theological Seminary

Concordia Seminary

Dickerson Chair of Evangelism

In order to highlight the importance of evangelism in the work of the Church of the Nazarene, Harry and Zylphia Dickerson, alumni of Olivet, have established a Chair of Evangelism.

Religion Major: 39 hours. B.A.

Required:

Theology 116 — Fundamentals of Christian Ministry

351 — History of Christianity

353, 354 — Systematic Theology

452 — Church Administration

455 — Homiletics

462 — Evangelical Perfection

470 — Evangelism and Missions

494 — Pastoral Care

496 — Field Training and Service

571 — History and Polity of the Church of the Nazarene

Supporting Courses: Philosophy, 8 hours; Christian Education 3 hours; Social Science, 6 hours; History, 6 hours; Psychology 3 hours;

Speech 104 — Parliamentary Law and 3 additional hours of speech.

Music 377 — Music in Worship

Biblical Literature: 5-6 hours of upper division Old Testament, including at least 3 hours in the major or minor prophets.

Biblical Literature: 5-6 hours of upper division New Testament in either Greek or English.

Hours in New Testament Greek Exegesis required to complete the Intercultural Understanding requirement in General Education (Group V) may not be counted toward fulfilling the requirement for New Testament Biblical Literature in the Religion major.

Theology Major: 42 hours. Bachelor of Theology.

Required:

Same as the Bachelor of Arts in Religion, except for the language requirement of General Education courses, Group V in Intercultural Understanding. The student may select 6 hours of courses in International Relations, Foreign Culture, Ethnic or Cross-cultural Interaction instead of the 10 hours of language.

Religion and Philosophy Major: 32 hours. B.A.

Required:

Theology 351 — History of Christianity

353, 354 — Systematic Theology

462 — Evangelical Perfection

Phil. 141 — Beginning Philosophical Systems

351 — Ancient and Medieval

Philosophy

352 — History of Modern Philosophy

Ten additional hours of philosophy.

Religion Minor: 16 hours

Required: Theology 351, 3 hours of upper division Biblical Literature, with additional courses to be approved by the Chairman of the Division.

Course of Study for Ministers

Degree candidates are advised that the Manual, Church of the Nazarene, states the following minimum requirements for graduation from the Course of Study of ministers:

Biblical Literature, 12 hours

Theology (including one semester of Doctrine of Holiness), 12 semester hours

Homiletics, Practics, and Christian Education, 12 hours

Church History (including History and Polity of the Church of the Nazarene), 8 hours

Evangelism and Missions, 4 hours

English, Literature, and Speech, 12 hours

Philosophy and Psychology, 8 hours

History and Social Science, 8 hours

Science, 4 hours

Biblical Literature — 51

The aims of this Department are: (a) to lead students into an intelligent appreciation of the Bible as the foundation of our Christian faith and as an important factor in our civilization; (b) to give students a basic understanding of the organization and content of our English Bible, and to acquaint them with the principal persons and events involved in Biblical history; (c) to train students in a sound interpretation of the Bible, and to help them to make practical applications to Christian doctrine, experience, and life; and (d) to acquaint students, especially those who are preparing for the ministry, with the origin and literary history of the Bible and with some of the more important problems of Bible study.

Biblical Literature Major: 28 hours. B.A.

Required: 28 hours upper division Biblical Literature, including 9 hours of New Testament Greek exegesis, and at least 9 hours in the Old Testament.

To be supported by: Systematic Theology 353, 354; Philosophy, 8 hours; Literature, 6 hours; History, 6 hours. One supporting course must deal with the ancient and medieval period.

At least two elective courses from: Christian Education, Church History 351, Church Administration 452, Homiletics 455, Theology 462 — Evangelical Perfection, History and Polity of the Church of the Nazarene 571.

Biblical Literature Minor: 16 hours

Required: Courses approved by the Department Chairman to include at least 12 hours in upper division work.

Courses

51-101 — Old Testament Survey. 3 hours. The General Education course designed to survey the background and contents of the books of the Old Testament in English translation. Attention is given to significant persons, events and major teachings.

51-102 — New Testament Survey. 3 hours. A General Education course designed to explore the background and contents of the books of the New Testament in English translation. Attention is given to significant persons, events and major teachings.

51-133 — Elementary Koine Greek, Level I (a). 4 hours. Same as Greek 133.

51-134 — Elementary Koine Greek, Level I (b). 3 hours. Same as Greek 134.

51-231 — Intermediate Koine Greek, Level I (c). 3 hours. Same as Greek 231.

51-334, 335, 336, 337 — New Testament Greek Exegesis. 3 hours. Grammar review and attention to the principles of sound exegesis of the Greek New Testament. Prerequisites: satisfactory completion of Greek 133 and 134, or 231. Course 334 deals with Romans and Galatians; 335 deals with Ephesians, Luke, Hebrews and Revelation; 336 deals with I and II Corinthians; 337 deals with Matthew, Acts, the Pastoral Epistles and James. These courses are offered in sequence in alternate years, one each semester.

51-356 — Psalms and Wisdom Literature. 2-3 hours. A survey of Hebrew poetry and Wisdom Literature in English translation. A study of selected Psalms and portions of Job, Proverbs, Ecclesiastes and Song of Solomon.

51-365 — Hebrews and General Epistles. 2 hours. An exegetical study of Hebrews and the General Epistles (James, 1 and 2 Peter and Jude) in English translation.

51-379 — Old Testament Prophets (I). 3 hours. A study of the background, contents and teachings of Hosea, Amos, Isaiah, Micah, Jonah, Obadiah.

51-380 — Old Testament Prophets II. 3 hours. A study of the background, contents and teachings of Jeremiah, Lamentations, Ezekiel, Daniel, Joel, Nahum, Habakkuk, Haggai, Zephaniah, Zechariah and Malachi.

51-467 — Pauline Epistles I. 3 hours. An exegetical study of Romans, 1 and 2 Thessalonians, Colossians, Philemon and the Pastoral Epistles with the background provided in Acts.

51-468 — Pauline Epistles II. 3 hours. An exegetical study of Galatians, 1 and 2 Corinthians, Ephesians and Philippians with the background provided in Acts.

Courses in the 500 series are open to qualified seniors and graduate students.

51-571 — Pentateuch. 3 hours. A study of the historical background and the development of the Hebrew people as found in Genesis, Exodus, Leviticus, Numbers and Deuteronomy.

51-573 — Synoptic Gospels. 3 hours. A study of the life and teachings of Jesus based on a comparative examination of the first three Gospels in English translation. Attention is given to the particular perspective and distinctive features of Matthew, Mark and Luke.

51-574 — Johannine Literature. 3 hours. An exegetical study of the Gospel and Epistles of John and the Revelation in English translation.

51-575 — Old Testament Historical Books. 3 hours. An exegetical study of the history of Israel from the conquest through the post-exilic period as reflected in the books of Joshua, Judges, 1 and 2 Samuel, 1 and 2 Kings, 1 and 2 Chronicles, Ezra, Nehemiah and Esther.

51-600-699 — Graduate Level Courses. Open to some seniors. See the Director of Graduate Studies in Religion.

Philosophy — 52

The objectives of the Department of Philosophy are:

1. To aid the student in developing and formulating a workable philosophy of life.

2. To aid the student in understanding the nature, methods, and value of philosophy.

3. To help the student in his search for reality, truth, and value.

4. To teach the student how to think cogently and soundly.

5. To cultivate in the student the facility of

clear and perceptive language usage, both written and oral.

6. To provide for each student philosophical background and tools necessary for further study — for graduate work in philosophy, teaching, seminary, and active ministry.

7. To acquaint each student with the ideas of great historical thinkers in the world.

8. To provide for the student a world view which makes Christianity and “doing Philosophy” compatible.

9. To engender in each student a spirit of philosophy which is not only analytic and critical, but also creative and open-ended.

10. To guide the student to a level of maximum concreteness about all available human experience.

11. To unfold for each student the philosophical meaning of “Education with a Christian Purpose.”

Philosophy Major: 26 hours. B.A.

Required:

Philosophy 141 — Beginning

Philosophical Systems

241 — Logic: Rules of Correct Thinking

or 242 — Ethics: What Ought I to Do?

351 — Ancient and Medieval

Philosophy

or 352 — History of Modern

Philosophy

371 — History of 20th Century

Philosophy

or 481 — Philosophy of Religion

491 — Epistemology

492 — Metaphysics

Nine additional upper division hours approved by the Department Chairman.

To be supported by:

History, 6 hours

Psych. 101 — Introduction to Psychology

Sociology 121 — Introductory Sociology

Upper division Theology, 6 hours (preferably Church History)

Philosophy Minor: 14 hours

Required:

Phil. 141 — Beginning Philosophical Systems

241 — Logic: Rules of Correct Thinking

or 242 — Ethics: What Ought I to Do?

351 — Ancient and Medieval Philosophy
or 352 — History of Modern Philosophy

Six additional upper division hours approved by the Department Chairman.

Courses

52-141 — Introduction: Beginning Philosophical Systems. 2 hours. A systematic inquiry into the fundamental philosophical ideologies of ancient, medieval, modern, and contemporary periods. A deliberate attempt is made to establish a firm and secure ground for further studies in philosophy.

52-241 — Logic: Rules of Correct Thinking. 3 hours. An analysis of the logical use of traditional and symbolic language, its function, form, misuses, and significance, especially in connection with the deductive and inductive forms of reasoning.

52-242 — Ethics: What Ought I to Do? 3 hours. A theoretical study of the value principles by which men live; and investigation of the theories offered historically to such questions as “What ought man to do?” and “What is the good life?”

52-243 — Aesthetics: What is Beauty and Art? 2 hours. A philosophical and scientific study of (a) works of art, (b) the processes of experiencing art, and (c) certain aspects of nature and human production outside the field of art especially in connection with the concept of the “beautiful” in form and sensory qualities.

52-245 — Philosophy of Science. 2 hours. A systematic investigation of the nature of science, its methods, presuppositions, logical structure and symbolic systems, its relations to value studies and historical context, and its empirical, rational, and pragmatic basis.

52-351 — History of Ancient and Medieval Philosophy. 3 hours. An historical survey of the principle ideas of the Greek philosophers, especially Plato and Aristotle, and the Medieval Philosophers, especially Augustine and Aquinas. Prerequisite: 2 hours, or with instructor's consent. Recommended for Religion majors.

52-352 — History of Modern Philosophy. 3 hours. An historical survey of the principle ideas of the philosophers of the Renaissance, Continental Rationalism, British Empiricism, and the Nineteenth Century period of Ideology, with special emphasis given to Descartes, Locke, Hume, Kant, Hegel, and Schopenhauer. Prerequisite: 2 hours or with instructor's consent.

52-355 — History of Eastern Philosophy. 3 hours. An historical survey of the principle ideas of ancient Indian, Chinese, and Jewish philosophy together with a development of more recent emphases on eastern thinking in Western civilization. Prerequisite: 2 hours of philosophy or with instructor's consent.

52-371 — History of Twentieth-Century Philosophy. 3 hours. An historical survey of the principle ideas of pragmatism, idealism, logical positivism, phenomenology, Existentialism, and language analysis, prior to 1970. Prerequisite: 2 hours of philosophy or with instructor's consent.

52-481 — Philosophy of Religion. 3 hours. An investigation and analysis of religious consciousness, the theories it has evolved and their development and historic relationships in the cultural complex. Direct attention is given to problem of God's existence, human destiny, revelation and faith, miracles, verification-falsification issue, religious language, and religious experience. Prerequisite: 52-141, 52-351, 52-352, or with instructor's consent. Recommended for Religion majors.

52-490 — Seminar in Philosophy. 1 to 4 hours. A specialized analysis of a philosopher, a philosophical movement or problem involving individualized research and philosophical dialogue; recommended to students of exceptional philosophical ability and background. Prerequisite: 52-141, 6 hours of history of philosophy, plus recommendation of Chairman of Philosophy Department.

52-491 — Epistemology: What are the Limits of Knowledge? 3 hours. A consideration and analysis of the origin, structure, methods, nature, and extent of knowledge in relation to its allied disciplines, viz., metaphysics, logic, and psychology. Prerequisite: 52-141, plus 8 hours of philosophy.

52-492 — Metaphysics: What is the Nature of Being qua Being? 3 hours. An analysis of the nature of Being, the world, natural psychology, and natural theology with special attention given to more highly sophisticated theories of metaphysics. Prerequisite: 52-141, plus 8 hours of philosophy.

Christian Education — 53

The opportunities of service for volunteer and paid, professional workers in Christian Education are multiplying. The demand for trained personnel is increasing for full-time directors of Christian Education in local churches, week-day school teachers, and age-group directors. In addition, local churches need V.B.S. directors and workers, Sunday school teachers, youth workers, and Caravan workers.

The Department of Christian Education provides training to individuals who feel called to this type of work. Some will be full-time staff persons. Others will supplement their vocational training in this area to increase their Christian service effectiveness.

The Department seeks to (1) acquaint students with the fundamental principles of Christian Education, (2) offer a major for those who plan to devote full time to Christian Education, (3) offer a minor for students who wish to supplement their vocational training with some skills in Christian service, and (4) help majors meet *Manual* requirements for commission as ministers of Christian Education.

Majors in Christian Education are urged to take courses in music, business, radio, drama, speech, and art to increase their usefulness in the local church. For the minor in Church Music see the Department of Music.

Christian Education Major: 27 hours. B.A. or B.S.

Required:

C.E. 115 — Christian Education
452 — Church School Administration
491, 492 — Supervised Field Work
551 — History and Philosophy of Religious Education
571 — History and Polity of the Church of the Nazarene

Thirteen additional hours of upper division work in Christian Education.

Required supporting courses:

Psy. 101 — Introduction to Psychology
211 — Child Developmental Psychology

or 212 — Adolescent and Adult Developmental Psychology
Speech 101 — Fundamentals of Speech

Strongly recommended supporting courses:

Mus. 276 — Elementary Conducting
Sp. 104 — Parliamentary Law
Eng. 241 — Journalism
Art — 105 — Crafts for Elementary Teachers
or Art 365 — Art Activities for the Elementary School

Christian Education and Church Music, Combination Major. B.A. or B.S.

Required:

Christian Education: 23 hours

115 — Christian Education
301 — Principles and Methods for C.E.
364 — Christian Education of Youth
377 — Music in Worship
452 — Church School Administration
491-492 — Supervised Field Work including some music
551 — History and Philosophy of R.E.
571 — History and Polity of the Church of the Nazarene

Upper division electives — 2 hours

Church Music: 44 hours

Applied Work — 12 hours, including a minimum of 4 hours piano and 4 hours voice.

190 — Music Literature
192, 193 — Music Theory
379 — Music in the Church Service
390 or 391 — Music History
478 — History of Church Music
479 — Seminar in Church Music
494 — Instrumentation

Conducting — 4 hours

Ensemble — 2 hours

Instrumental Methods — 4 hours

Christian Education Minor: 17 hours

Required:

C.E. 115 — Christian Education
452 — Church School Administration
491 or 492 — Supervised Field Work in Christian Education

Ten additional hours of upper division work in Christian Education.

Majors in Christian Education are advised the *Manual of the Church of the Nazarene* states the following minimum requirements for graduation from the Course of Study for ministers of Christian Education:

Biblical Literature, 12 hours

Theology, including one course in Doctrine of Holiness, 8 hours

Church History, including one course in History and Polity of the Church of the Nazarene, 6 hours

Evangelism and Missions, 4 hours

Church Music, 2 hours

General and Education Psychology, 6 hours

Christian Education, 18 hours

English, Literature, and Speech, 8 hours

Courses

53-115 — Christian Education. 3 hours. A study of the aims, methods, materials and programs of Christian education. Agencies of the local church for educational evangelism and development of Christian character will be considered, including Sunday school, youth groups, mission society, home and extension services, weekday religious instruction, activities in the church and community. The organization and administration of all Christian education in the local church will be considered, including present day problems and trends.

53-299 — Summer Ministries in the Church of the Nazarene. 1-3 hours. This course is designed to prepare the student for practical involvement in the summer ministries program of the Church of the Nazarene. It emphasizes the nature and background of the specific ministries, cross-cultural understanding, personal growth, Biblical understandings, churchmanship, and special skills appropriate to these respective ministries.

53-301 — Principles and Methods for Christian Education. 3 hours. A study of the principles of educational theory as they relate to the teaching ministries of the church, and a survey of practical teaching methods for use in the local church.

53-363 — Christian Education of Children. 2 hours. A study of the basic principles of child psychology in relation to the needs of the child, materials and methods for children's work in the nursery, beginner, primary and junior departments, and the administration of the church school program for children. Prerequisites. C.E. 115, Psych. 101, 211. Through 53-491 or 53-492 additional credit may be earned by actual involvement in teaching this age group.

53-364 — Christian Education of Youth. 2 hours. A study of adolescent psychology in relation to the nature and needs of young people, materials, methods and programs for youth work in the intermediate, senior and young people's departments, a suggested program of Bible study, evangelism, worship, recreation, and stewardship to win and hold the adolescent group. Prerequisites: C.E. 115, Psych. 101, 212. Through 491 or 492 additional credit may be earned by actual involvement in teaching this age group.

53-365 — Christian Education of Adults. 2 hours. A study of the nature and needs of the adult groups and materials and methods for teaching adults. Special attention is given to planning for the young adult group, missionary, stewardship and other Christian Service Training education in the local church. Prerequisites: Psych. 211 or 212 and C.E. 115. Through 491 or 492 additional credit may be earned by actual involvement in teaching this age group.

53-366 — Contemporary Ministries. 3 hours. A study of various ministries that are currently being used by the church. Such ministries as weekday programs, outreach ministries, camping, social programs, bus ministries, and campus ministries would be dealt with. The course would also be flexible enough to include new ministries as they develop in the life of the church.

53-367 — Materials and Methods for Recreation. 3 hours. Same as Physical Education 367. Prerequisites: C.E. 115, Psych. 101, 211.

53-377 — Music in Worship. 2 hours. Same as Music 377.

53-452 — Church Administration. 3 hours. Same as Theology 452.

53-470 — Evangelism and Missions. 4 hours. Same as Theology 470.

53-489 — Problems in Christian Education. 2 hours. Individual study of a practical problem in Christian education. The student must decide upon a problem, study it, and propose its solution. The major requirement is a written report of his research. Open to majors only.

53-491, 53-492 — Supervised Field Work in Christian Education. 1 hour, both semesters. Each student is expected to arrange for participation in a practical experience in Christian education, i.e., teaching a class, working in Caravan, participating in a club or camp. One semester should be spent working in directing the Christian educational program as an assistant to the Director of Christian Education, if possible. Christian Education majors and minors only during Senior Year.

53-494 — Pastoral Care. 3 hours. Same as Theology 494.

53-496 — Community Recreation. 3 hours. A course designed to give the student an understanding of the philosophical background of modern community recreation as well as the role of recreation in meeting the recreation needs of various societal groups.

53-497 — Audio-Visual Aids in Christian Education. 2 hours. Same as Education 497.

53-520 — History and Philosophy of Early Childhood Education. 3 hours. Same as Education 520.

53-526 — Instructional Methods of Early Childhood Curriculum. 3 hours. Same as Education 526.

53-551 — History and Philosophy of Religious Education. 3 hours. The history of religious education as seen in the Old and New Testaments, church history, and modern times. An interpretation of the philosophy and significance of religious education in the growth and development of the Christian religion. Current major theories of religious and secular education compared with scriptural principles, formulation of a personal philosophy of religious education. Prerequisite: Christian Education 115.

53-571 — History and Polity of the Church of the Nazarene. 3 hours. Same as Theology 571.

Theology — 54

The objectives of the Department of Theology are as follows: (1) to cultivate a fuller appreciation of the doctrines, and institutions of the Christian Church through a more adequate knowledge of their origin, development, and historical importance; (2) to emphasize the Arminian theology as interpreted by John Wesley and reconstructed by subsequent holiness movements, especially the Church of the Nazarene; (3) to train young ministers for effectiveness in preaching and efficiency in pastoral methods; (4) to acquaint the student with church government, especially the polity of the Church of the Nazarene; and (5) to inspire and train prospective pastors, evangelists, missionaries, and lay workers in effective methods of evangelism.

The course of study for licensed ministers in the Church of the Nazarene has been considered in the curricular planning of the Division of Religion and Philosophy.

While required for ordination in the church, not all of these courses are necessarily included in the requirements for degrees. Students looking forward to ordination should be guided by their advisors in selecting courses needed for the completion of ordination requirements.

Major and Minor Requirements are listed at the beginning of this Division.

Systematic Theology

54-201 — Christian Doctrine. 3 hours. A general education course for all students involving a study of the fundamental doctrines of the Christian faith from a Biblical basis. The course will emphasize such concepts as Who or What is God; what is the nature of authority; developing a creed to live by; sin, redemption and sanctification; and comparison to other world religions. This course provides a background for further study, and to acquaint every student with the essential doctrines of the Christian faith with special emphasis given to the doctrine of holiness.

54-301 — The Church and Christian Living. 3 hours. Concepts of church and community of believers with a world-wide view. The history of the church with some specific attention to the Church of the Nazarene. The application of the Christian experience to life and the major issues of the day including Christian concerns regarding the social and physical environment, human worth and dignity, and human justice. The theology of vocation with a study of applying Christian values and ethics to this area of living.

54-353, 54-354 — Systematic Theology. 3 hours both semesters. A general survey of the doctrines of the Christian Church in the light of their scriptural foundation, philosophical implications, and historical development. Special attention will be given to the Arminian point of view in respect to the atonement and the doctrine of entire sanctification. Recommended for juniors.

54-462 — Evangelical Perfection. 3 hours. A study of the doctrine of Christian perfection with special emphasis on its Biblical and historical background. A survey will be made of the outstanding literature in this field, and especially the life and works of John Wesley. Careful consideration will be given to the implications of Christian perfection for personal experience and practical living. Prerequisites: Theology 54-353, 54-354.

Religion

54-481 — Philosophy of Religion. 3 hours. A study of religion from the philosophical point of view. An examination of the contribution made by philosophy to the religion and the supplementary nature of faith and reflective thinking in human life. Prerequisite: Philosophy 351 and 352.

54-486 — Comparative Religion. 2 hours. A study of the chief contributions of the major living religions of the world. It is recommended for all students concentrating in the field of doctrinal theology.

54-490 — Seminar in Religion. 1 or 2 hours. An extensive study of some area, or areas, in religion designed to afford opportunity for religion majors to do creative research. Limited to seniors.

Church History

54-351 — History of Christianity. 5 hours. A survey of the history of the church, supplemented with lectures and readings giving particular attention to the theological contributions of representative men.

54-358 — Medieval, Renaissance and Reformation Europe. 3 hours. Same as History 358.

54-571 — History and Polity of the Church of the Nazarene. 3 hours. A survey of the major types of evangelical church polity in their historical development will lead to an exhaustive study of the *Manual* of the Church of the Nazarene. The history of the denomination will be carefully surveyed.

Practices

54-116 — Fundamentals of Christian Ministry. 3 hours. A course designed to acquaint the student with the foundation and avenues for fulfilling the special call to service and to introduce Olivet's ministerial training objectives. Required of all freshmen in the ministerial training program.

54-452 — Church Administration. 3 hours. A comprehensive study of the organization and activities of the local church. Business administration; methods of publicity, evangelization program; ministerial ethics; relation of the church to the district and general program. Particular attention will be given to the Nazarene policy.

54-455 — Homiletics. 3 hours. The character of the sermon; the several types of sermons; finding source materials; the major divisions of the sermon; introduction, body, illustrations,

conclusion. Analysis of great sermons. Practice in preparation and delivery of sermons. Class criticism.

54-470 — Evangelism and Missions. 4 hours. A study of world evangelism with emphasis upon history and methods. Attention is given to the public and personal proclamation of the Gospel in revival and personal work both at home and abroad by the Church of the Nazarene.

54-477 — Hymnology. 2 hours. Same as Music 477.

54-494 — Pastoral Care. 3 hours. A study of the theory, principles, methods, and resources of an effective pastoral ministry to individuals and small groups as it relates to specific needs of people in various stages and circumstances of life. Special attention will be given to the pastor's ministry during human crises such as illness, pain and grief, marriage and family relationships, death, alcoholism, aging, inter-personal relationships. Attention will also be given to the techniques of pastoral calling in homes, counseling sessions and guidance.

54-496 — Field Training and Service. 1 to 6 hours. Prerequisites: Senior standing, approval by the committee on Ministerial Training and the completion of academic portion of the Ministerial Program.

54-600 to 699 — Graduate Level Courses. Open to some seniors. See Director of Graduate Studies in Religion.

Ministerial Certificate Program

The ministerial certificate program is designed to meet the needs of mature persons preparing for the ministry who do not qualify for admission to a degree program, or who otherwise find it impractical to pursue such a program.

While there are no formal academic requirements for admission to this program, students must complete the orientation program before registering for courses. Students in the College may transfer to this program only on the joint recommendation of the Scholarship and Admissions Committee and the Director of the program.

Credits earned in this program may not be counted toward a degree program. Work done will be marked S-Superior; G-Good;

M-Medium; P-Poor; U-Unsatisfactory. Record of work taken may be sent to the District Board of Ministerial Studies to be applied on the Course of Study for Ministers as outlined in the *Manual* of the Church of the Nazarene.

The Certificate is awarded upon satisfactory completion of the 86-87 hours of work listed in next column.

Biblical Literature: 12 hours

Bib. Lit. 101, 102 — Old and

New Testament

Bible Electives

Theology: 12 hours, including

Theol. 201 — Christian Doctrine

or 301 — Church and Christian Living

Theol. 353, 354 — Systematic Theology

Theol. 462 — Evangelical Perfection

Practics and Christian Education:

24 hours

Chr. Ed. 115 — Christian Education

Theol. 116 — Fundamentals of Christian Ministry

Music 377 — Music and Worship

Theol. 452 — Church Administration

Theol. 455 — Homiletics

Theol. 470 — Evangelism and Missions

Theol. 496 — Field Training

Church History: 8 hours

Theol. 351 — History of Christianity

Theol. 571 — History and Polity of the Church of the Nazarene

English and Speech: 12 hours

Eng. 103, 104 — Freshman Composition

Eng. 109 or 110 — Introduction to Literature

Speech 101 and 104

Philosophy and Psychology:

8 hours

History and Social Science:

8 hours

Natural Science: 4-5 hours



Dr. Steven Pusey, standing, works closely with students in History and Political Science advanced courses. Some Olivet students spend a semester in Washington D.C. in the American Studies Program.

Division of Social Sciences — 61

| | |
|-----------------------------------|-------------|
| Business Administration | — 62 |
| Accounting | — 63 |
| Economics | — 64 |
| History | — 65 |
| Political Science | — 66 |
| Home Economics | — 67 |
| Sociology and Anthropology | — 68 |
| Geography | — 69 |

Joseph F. Nielson, Chairman

The Division of Social Sciences consists of the Departments of Business Administration and Economics, History and Political Science, Home Economics, Sociology and Anthropology. Service courses in Geography are also available.

This Division seeks to develop in the student (1) A general understanding of social institutions, past and present, their development and problems; (2) An acquaintance with the political, economic, and social ideals and practices in American democracy; (3) An interest in, and a grasp of the social sciences with an opportunity to specialize in one or more fields; (4) An acquaintance with scientific methods of research in the study of society.

American Studies Program in Washington, D.C.

Olivet Nazarene College is a member of the Christian College Coalition which is comprised of 70 Christ-centered, fully accredited four year liberal arts colleges, each committed to academic excellence and to the integration of the Christian faith with learning and living. Student internships and seminars are available to Olivet students. These are coordinated through the Division of Social Sciences and the Coalition which is based in Washington D.C.

The American Studies Program is designed for juniors and seniors with a wide range of academic majors and vocational interests. Students are involved in the American Studies Program for periods of three or four months. The internship/seminar program is available September through May. Summer internships are also available in the Summer months.

Because of its unique location in the nation's capital, this "Washington Campus" for the Coalition colleges is viewed as one way of challenging students to consider the meaning of proclaiming the Lordship of Jesus Christ in all areas of life, including career choices, public policy issues and personal relationships. The number of credit hours which are given for these experiences varies with the type of assignment.

Social Science — 61

Major: 54 hours. B.A.

Required:

Econ. 111, 112 — Principles of Economics

History 101 — Modern European History

102 — Modern European History, 1815 to the Present

Sociology 121 — Introductory Sociology
Soc. Sci. 597 — Seminar in Social Science

At least 24 hours of upper division courses. Course work is to be distributed as follows: 24 hours in one department, 8 hours from each of two other departments; additional hours may be from above department or other areas of the division.

Teaching Major: 54 hours. B.A.

Required:

Same as above plus the Professional Education Sequence, including Soc. Sci. 478 — Teaching the Social Studies. The 24 hour area must be in history with a minimum of 8 hours in U.S. History and 8 in General and European History.

Teaching Minor: 24 hours

Required:

Option A — 16 hours of history including 8 hours in U.S. History and 8 in General or European History. 8 additional hours from Division of Social Science.

Option B — 8 hours each from two of the following areas: economics, geography, political science, and sociology. 8 additional hours from the Division.

Courses

61-369 — Urban America. 3 hours. This course deals with the development of American cities, focusing on their physical structure, patterns of government and socio-economic characteristics. Particular attention is given to the genesis of contemporary urban problems and their possible solutions.

61-478 — Teaching the Social Studies. 2 hours. A course in education dealing with the problems and methods of teaching history and the social sciences. Intended for those who plan to teach in this field in the secondary school. Not counted toward the non-teaching major or minor. Taken concurrently with Educ. 480.

61-597 — Seminar in Social Science. 3 hours. A course to correlate the fields of social science and summarize current problems of society with a view of their possible solutions. The student will be required to apply social science research methods to a topic of interest.

Business Administration — 62

KENNETH D. ARMSTRONG (1972)
*Professor of Business Administration,
Chairman of the Department*
B.S., 1966, Olivet Nazarene College
M.B.A., 1968, Central Michigan
University
Ph.D., 1985, Northwestern University

LEONARD E. ANDERSON (1950)
*Associate Professor of Business
Administration and Economics*
B.S., 1949, M.S., 1952, St. Louis
University
CPA, 1966

TERRY MACKEY (1980)
Assistant Professor of Economics
B.A., 1973, Olivet Nazarene College
Graduate studies, Illinois State University

JOANNE MARQUART (1980)
*Assistant Professor of Business
Education*
B.S., 1961, Olivet Nazarene College
M.Ed., 1968, University of Illinois

GENE SHEA (1977)
*Associate Professor of Business
Administration*
B.S., 1959, Olivet Nazarene College
M.A., 1961, Ohio State University
CPA, 1964

MICHAEL WIESE (1985)
Instructor in Business Administration
B.S., 1981, Olivet Nazarene College
M.B.A., 1984, Oral Roberts University

The purpose of this Department is to give students a basic knowledge of the activities in the business and economic world. A knowledge of economic forces is a part of the background for any cultured and intelligent citizen. This knowledge, together with business skills, is fundamental to those who contemplate a career in such fields as general business, accounting, management, insurance, merchandising, secretarial work, teaching of business subjects in the high school, or Christian service such as the ministry of missionary work.

The non-teaching major provides the student with a basic core curricula and permits a choice of emphasis from any

one of four areas of specialization including management, marketing, finance, or office administration.

**Business Major: 45 to 51 hours.
B.A. or B.S.**

Required core for all options (A,B,C,D):

Acctg. 105, 106 — Principles of Accounting
Bus. 260 — Principles of Management
270 — Introduction to Finance
341 — Business Statistics
351, 352 — Business Law
353 — Marketing
490 — Business Policy and Strategy
Econ. 111, 112 — Principles of
Economics

Required supporting courses:

Six hours of Psychology and/or Sociology
Math. 117 — Finite Math for Business
or 147 — Calculus
125 — Concepts of Computer Science
(BASIC) or 250 — FORTRAN or
251 — COBOL
Speech Communication — 3 hours
A minor of at least 16 hours, except
for the Office Administration Option.

**Recommended for students going on to
graduate studies:**

Math. 147 and 148 — Calculus I and II

Option A: Management

*Select four of the following courses.
At least two must be chosen from Business
or Economics.*

Business 358 — Business Communication
450 — Entrepreneurship and Small
Business Management
461 — Industrial Management
469 — Personnel Management
487 — Field Placement
Econ. 359 — Economics of Human
Resources
H.E. 353 — Institutional Management
Soc. 496 — Quantitative Research
Methods
Speech 348 — Small Group Communica-
tion

Option B: Marketing

Business 395 — Intermediate Marketing
and 3 of the following courses. At least 2
must be from the Business Department.

Business 354 — Retail Merchandising
 358 — Business Communications
 450 — Entrepreneurship and Small Business Management
 455 — Advertising
 487 — Field Placement
 Art 251 — Commercial Art
 H.E. 416 — Fashion Merchandising
 Sociology 496 — Quantitative Research Methods
 Speech 459 — Persuasion

Option C: Finance

Select 4 of the following courses:

Economics 311 — Intermediate Microeconomics
 362 — Money and Banking
 366 — Insurance
 Business 450 — Entrepreneurship and Small Business Management
 473 — Investments
 475 — Corporate Finance
 487 — Field Placement

Accounting 355 and 356 — Intermediate Accounting (Counts as 2 of the 4 courses, but both must be taken to count for this Finance Option.)
 465 — Income Tax Accounting

Option D: Office Administration
(formerly Secretarial Science)

Business 114 — Advanced Typewriting
 201 — Introduction to Word Processing
 220 — Machine Transcription
 223 — Advanced Shorthand Transcription
 301 — Word Processing Applications
 358 — Business Communications
 375 — Advanced Office Procedures

Business Teaching Major: 32-34 hours.
B.A. or B.S.

Required:

Option A (includes shorthand):

Econ. 111, 112 — Principles of Economics
 Acct. 105, 106 — Principles of Accounting
 Bus. 101 — Introduction to Business and Economics
 114 — Advanced Typewriting
 220 — Machine Transcription
 223 — Advanced Shorthand Transcription
 351, 352 — Business Law
 375 — Advanced Office Procedures

Supported by the Professional Education Sequence including:

Bus. 471 — Teaching Bookkeeping and General Business
 472 — Teaching Shorthand and Typewriting

Option B (excludes shorthand):

Econ. 111, 112 — Principles of Economics
 Acct. 105, 106 — Principles of Accounting
 355, 356 — Intermediate Accounting
 Bus. 101 — Introduction to Business and Economics
 114 — Advanced Typewriting
 220 — Machine Transcription
 351, 352 — Business Law
 Supported by the Professional Education Sequence including
 471 — Teaching Bookkeeping and General Business.

Business Minor: 18 hours

Required:

Acct. 105, 106 — Principles of Accounting.
 Six hours of courses numbered 300 and above from any of the three fields of Accounting, Business Administration and Economics

Business Teaching Minor: 24 hours

Required:

Option A (includes shorthand):

Econ. 111 — Principles of Economics
 Acct. 105 — Principles of Accounting
 Bus. 101 — Introduction to Business and Economics
 114 — Advanced Typewriting
 220 — Machine Transcription
 223 — Advanced Shorthand Transcription
 351 — Business Law
 and 4 additional hours from The Business Department

Supported by:

472 — Teaching Shorthand and Typewriting

Option B (excludes shorthand):

Econ. 111 — Principles of Economics
 Acct. 105, 106 — Principles of Accounting
 Bus. 101 — Introduction to Business and Economics
 114 — Advanced Typewriting
 220 — Machine Transcription

351 — Business Law
and 4 additional hours from the
Business Department

Supported by:

Bus. 471 — Teaching Bookkeeping and
General Business

**Associate of Arts Degree in
Office Administration
(Formerly Secretarial Science)**

Business Requirements: 28 hours

Bus. 105, 106 — Principles of Accounting
114 — Advanced Typewriting
201 — Introduction to Word Processing
220 — Machine Transcription
223 — Advanced Shorthand Transcription
260 — Principles of Management
301 — Word Processing Applications
351 — Business Law
375 — Advanced Office Procedures

Electives: 7-8 hours

In completing the General Education
requirements include

Group II:

Bus. 358 — Business Communications
in place of English 104

Group IV:

Econ. 111 — Principles of Economics
Psych. 101 — Introduction to Psychology

Courses

62-101 — Introduction to Business and Economics. 3 hours. An introductory survey course in the field of business management and economics. Such topics as business as a career, locating and organizing a business, financing, buying and selling, planning and budgeting and personnel management are included.

62-113 — Beginning Typewriting. 3 hours. Instruction and practice in touch typing with emphasis on mastery of the alphanumeric keyboard, use of correct techniques, and correct typing of simple business correspondence, tabulations, reports, outlines, rough drafts, handwritten copy, etc. Efficient use of electronic typewriters is stressed. Minimum speed expected at the end of the course is 30 net words a minute for five minutes. Students who have had previous typewriting instruction must have written permission of the instructor to take this course for credit.

62-114 — Advanced Typewriting. 3 hours. Further development of correct typewriting techniques, business correspondence, manuscripts, tabulations, and other appropriate documents

keyed into electronic equipment. Emphasis is on production and quality of the product, which includes improvement of speed and accuracy. Minimum speed expected at the end of the course is 50 net words a minute for five minutes. Various kinds of electronic word processing equipment will be introduced. Prerequisite: 62-113 or one year or more of high school typewriting.

62-117 — Finite Mathematics with Business Application. 3 hours. Same as Mathematics 117.

62-121 — Beginning Shorthand. 3 hours. Designed for students with no prior instruction in shorthand or those with very limited skills. An introduction to Gregg Series 90 principles with emphasis on reading, vocabulary development, outline construction, and dictation. Transcription is introduced. Minimum dictation speed at the end of the course is 50 words a minute for three minutes. Prerequisite or corequisite: 62-113. Students with prior shorthand training must have written consent of the instructor to take this course for credit.

62-122 — Intermediate Shorthand. 3 hours. A review of Gregg Series 90 shorthand theory, plus further development of theory, enlargement of vocabulary, dictation speed, and transcription. Rapid sight reading of context material and accurate (95%) transcription of non-previewed dictation at a minimum of 70 words a minute for three minutes is required for completion of the course. Students with two years of high school shorthand must have written consent of the instructor to take this course for credit. Prerequisite: 62-114 and 62-121 or equivalents.

62-201 — Introduction to Word Processing. 2 hours. Definition and description of word/information processing. The five phases of the information processing cycle (input, processing, output, distribution/communication, storage and retrieval) are stressed, including the media, equipment, personnel, procedures and systems involved in each phase. The types of jobs, skill requirements and career opportunities are researched. Limited hands-on experience provided.

62-220 — Machine Transcription. 2 hours. Develops competency of transcribing dictation from transcribing equipment. Efficient use and knowledge of the equipment, transcribing speed and accuracy, reinforcing communication skills of listening and writing, and use of communications and documents produced in a business office are all stressed. A thorough review of all transcription rules such as punctuation, capitalization, numbers, etc., is included with emphasis on producing mailable documents. Prerequisite: Bus. 114 or two years of high school typewriting.

62-223 — Advanced Shorthand Transcription. 2 hours. Includes review of shorthand principles, with emphasis on expert techniques and shortcuts which aid speed development. An intensive practice of dictation and transcription with emphasis on meeting requirements for office mailability and production standards. Speed requirement for the end of the semester is a minimum of 90 words a minute for three minutes with 95 percent accuracy and a transcription rate of at least 20 words a minute. Prerequisite: 62-122 or two years of high school shorthand and 62-114 or two years of high school typewriting.

62-260 — Principles of Management. 3 hours. Emphasizes management as a process present in and necessary to all formal organizations. Analyzes the management process with emphasis on management concepts, objectives and ethics; and the management functions of planning, organizing, leading and controlling.

62-270 — Introduction to Finance. 3 hours. An introduction to the analytical techniques which are used in order to make financial decisions in the context of contemporary business. Topics include the time value of money, financial forecasting, operating and financial leverage, asset management, short-term and long-term financing, capital budgeting, and risk analysis.

62-301 — Word Processing Applications. 3 hours. Integrates instruction of word processing systems (theory, principles and equipment) with the development of magnetic keyboarding skill. Advanced business documents are prepared on electronic equipment. Instruction on a 10-key pad is included. Prerequisites: Business 114 and 201, or written consent of instructor. Two hours of lecture, two hours of lab.

62-341 — Business Statistics. 3 hours. An introduction to statistical methods, including sampling, measures of dispersion, averages and statistical inferences. The application of statistical methods in the evaluation of business problems is emphasized. Prerequisite: Math. 117.

62-351, 62-352 — Business Law. 3 hours both semesters. A study of the law of contracts, negotiable instruments, sales, real and personal property, insurance, partnership, corporations, agency, and business crimes.

62-353 — Marketing. 3 hours. A course in the distribution of raw materials, manufactured goods and agricultural products. Marketing functions, principles and problems of general marketing, the place of middlemen in the marketing structure, type of retail outlets, price policies, and unfair competition will be studied. Prerequisite: Economics 112.

62-354 — Retail Merchandising. 3 hours. A study of the fundamentals of retail selling, including store management, personnel problems,

advertising, store layout, equipment, accounting, and credit management.

62-358 — Business Communications. 3 hours. A development of the principles of effective business communications through the composition of business letters (application, credit, adjustment, collection, persuasive and routine). Emphasis on composition, arrangement, style, positive writing, clarity, correctness and effectiveness in realistic problem solving. Also included are techniques, principles and standards of organized business report preparation and presentation, application letters, resumes and related job materials. Oral communication skills included are dictating principles and oral presentations.

62-366 — Insurance. 3 hours. Same as Economics 366.

62-375 — Advanced Office Procedures. 3 hours. A capstone course which combines data processing/computer developments and procedures with traditional offices and office procedures: telecommunications, mail systems and procedures, filing and records management, reprographics, work station organization, time management, setting priorities, making decisions, personal interaction, managing calendars, arranging travel, originating correspondence, arranging meetings, career planning and job getting. Emphasis is on people, procedures and decision-making, rather than on equipment. Prerequisite: Business 358 or written permission of the instructor. Not open to freshmen.

62-395 — Intermediate Marketing. 3 hours. A study of marketing theory which presents a strategic overview of the marketing concept. Students will learn how to plan and implement marketing strategies and policies. Topics include consumer behavior, feasibility studies, market segmentation, marketing strategies, marketing mix, forecasting and budgeting. Prerequisite: Business 353 — Principles of Marketing.

62-450 — Entrepreneurship and Small Business Management. 3 hours. A systematic study of the methods, problems and skills necessary for launching and operating a successful small business venture. Attention will also be given to the contemporary "venture capitalist," and the role they play in financing and encouraging new businesses.

62-455 — Advertising. 3 hours. Students will become familiar with the advertising methods and strategies practices by various forms of organizations. The role of advertising will be analyzed, along with its impacts. Students will have the opportunity to develop their own advertising campaign.

62-461 — Industrial Management. 3 hours. Evaluates the management problems of an industrial enterprise, including effective organization. The problems of products, facilities, machinery and equipment, employee relations, work and wages and control procedures are covered. Prerequisites: Bus. 260 and 341.

62-469 — Personnel Management. 3 hours. Presents principles and current practices in handling personnel as individuals and as groups, with emphasis upon role of operating supervisors, executives and the union in dealing with such problems as selection, placement, training, wage and salary administration, promotion, transfer, fringe benefits, employee services, and management-labor relations. Prerequisite: Bus. 260.

62-471 — Teaching Bookkeeping and General Business. 2 hours. Principles and methods in teaching bookkeeping and general business, including objectives, methods of approach, lesson planning and presentation, and techniques in classroom procedure. Taken concurrently with Educ. 480.

62-472 — Teaching Shorthand and Typewriting. 2 hours. Principles and methods in teaching typewriting and shorthand, including objectives, methods of approach, lesson planning and presentation, and techniques in classroom procedure.

62-473 — Investments. 3 hours. An evaluation and analysis of the various securities that may become a part of our investment program. Emphasizes the organization and function of the major securities markets. Basic determinants of investment values are considered.

62-475 — Corporate Finance. 3 hours. An extension of Introduction to Finance into topics such as leasing, mergers and multinational finance. The theory of finance will be applied to investment instruments, including stocks, bonds, options, futures markets and commodities. Financial markets and institutions, including investment companies and the stock exchanges, will also be studied at an advanced level of analysis. Prerequisite: Business 270.

62-487 — Field Placement. 3-5 hours. Designed to allow the student to integrate principles learned in the classroom by working in a business situation. The program is under the joint planning and supervision of the business involved and departmental faculty. The course is intended to help the student bridge the gap between theory and practice.

62-490 — Business Policy and Strategy. 3 hours. Integrates the skills mastered in the various departmental specializations by assisting students in developing various models for decision making and applying these models to various business situations. Prerequisite: Senior standing.

Accounting — 63

The purpose of the accounting major is to provide a broad background of accounting principles, practices and procedures to enable the student to prepare for accounting and management responsibility especially in the field of finance.

A major in accounting will also provide the student with the courses required to sit for the CPA examination in any state. Successful completion of the major will include an emphasis on the theoretical knowledge necessary to pass the CPA examination.

At any point subsequent to Accounting 105, a student must have a minimum grade of "C" in each course to continue the accounting sequence. This does not mean that the student is out of the business curriculum; there are other options in business which may be followed. The student with a "D" grade gets credit but may not continue with advanced accounting courses. A course with a grade of "D" may be retaken once in accordance with the "Policy on Repeating Courses" listed in the chapter on **Academic Regulations**.

Accounting Major: 50 hours. B.A. or B.S.

Accounting Major: 50 hours. B.A. or B.S.

Required:

Acct. 105, 106 — Principles of Accounting
355, 356 — Intermediate Accounting
357 — Cost Accounting
463, 464 — Advanced Accounting
465 — Income Tax Accounting
467 — Auditing

Bus. Admin. 270 — Introduction to Finance

341 — Business Statistics
351, 352 — Business Law
490 — Business Policy and Strategy

Econ. 111, 112 — Principles of Economics

To be supported by:

Math 117 — Finite Math. with Business Applications

or 147 — Calculus

CS125 — Computer Science (BASIC)

or 250 — FORTRAN

or 251 — COBOL

Psych. 101 — Introduction to Psychology

Speech 101 — Fundamentals of Speech

and a minor of at least 16 hours approved by the Chairman of the Department

Accounting Minor: 21 hours

Required:

Acct. 105, 106 — Principles of Accounting
355, 356 — Intermediate Accounting
465 — Income Tax Accounting
or 467 — Auditing
and either
357, 358 — Cost Accounting,
or 463, 464 — Advanced Accounting

Courses

63-105, 63-106 — Principles of Accounting. 3 hours both semesters. A study of the principles of bookkeeping and accounting. Such topics as recording transactions, posting to ledger accounts, adjusting and closing accounts, use of business forms, and preparation and interpretation of financial statements will be treated. The course emphasizes proprietorship and corporation accounting.

63-355, 63-356 — Intermediate Accounting. 4 hours both semesters. Treats such phases of accounting as accepted principles and procedures for setting up working papers and financial statements; correction of prior years' earnings; handling ownership, asset, and liability accounts in a corporation; interpretation of financial statements; analysis of working capital operations; statement of application of funds; and income tax allocation.

63-357, 63-358 — Cost Accounting. 3 hours both semesters. The utilization of basic cost accounting principles, practices and procedures for industries using either a process job order or a standard cost system. The effective use of cost accounting as a management tool is emphasized. Prerequisites: Acct. 355, 356.

63-460 — Contemporary Accounting Issues. 3 hours. A course designed for those persons majoring in accounting who are interested in being candidates for the CPA examination. The presentation of this course will be on a seminar basis covering the following fields: accounting theory, auditing, taxes, and other areas of interest to the student. Prerequisite: senior standing.

63-463, 63-464 — Advanced Accounting. 3 hours both semesters. Accounting principles and procedures for partnership ventures, consignments, installment sales, and parent and subsidiary relationships are emphasized. Special purpose statements such as Statement of Affairs and Realization and Liquidation Reports are presented. Prerequisites: Acct. 355, 356.

63-465 — Income Tax Accounting. 3 hours. Presents an analysis and interpretation of the

Federal Income Tax Laws. Emphasizes the legal concepts of income, deductions and exemptions. The information is applied in a practical way through the preparation of returns for individuals, partnerships and corporations.

63-467 — Auditing. 3 hours. Presents the purposes of audits as conducted by the certified public accountant. Emphasizes the principles of auditing and the types of audits normally made. Professional ethics and legal responsibility are considered. A specific program or each phase of the audit is outlined in detail.

63-487 — Field Placement. 3-5 hours. Same as Bus. Admin. 487.

Economics — 64

Economics Major: 39 hours. B.A. or B.S.

Required:

Econ. 111, 112 — Principles of Economics
308 Comparative Economic Systems
311 — Intermediate Microeconomics
312 — Intermediate Macroeconomics
341 — Business Statistics
359 — Economics of Human Resources
362 — Money and Banking
363 — International Economics

Plus 12 hours selected from:

Bus. 270 — Introduction to Finance
351, 352 — Business Law
461 — Industrial Management
473 — Investments
487 — Field Placement

Sociology 496 — Quantitative Research Methods

Required Supporting Courses:

Acctg. 105, 106 — Princ. of Accounting
Business 260 — Princ. of Management
Math 147, 148 — Calculus I and II
Math 125, 250 or 251 — Computer Language
Philosophy 241 — Logic
or 242 — Ethics (Both courses in Philosophy are highly recommended.)

Minor: 18 hours

Required:

Econ. 111, 112 — Principles of Economics.
311 — Intermediate Microeconomics
312 — Intermediate Macroeconomics
and six hours of upper division Economics.

Courses

64-101 — Introduction to Business and Economics. 3 hours. Same as Business 101.

64-111, 64-112 — Principles of Economics. 3 hours, both semesters. A general course in the fundamental principles governing production, distribution, consumption, and exchange of wealth. It is designed to encourage an understanding of our economic system. Course 111 — Micro-Economics is a prerequisite to Course 112 — Macro-Economics.

64-308 — Comparative Economic Systems. 3 hours. This course concentrates on the political, cultural, and economic development of five major world regions: the communist-bloc countries, Western Europe, the oil-rich nations, the highly industrialized nations, and the less-developed countries.

64-311 — Intermediate Microeconomics. 3 hours. Microeconomics analysis including value and distribution theory; analysis of the pricing of the factors of production integrated in a micro-general equilibrium context which builds toward explaining the resource allocation process. Prerequisites: Econ. 111, 112.

64-312 — Intermediate Macroeconomics. 3 hours. The modern theory of the determination of the level and rate of growth of income, employment, output, and the price level. Discussion of alternate fiscal and monetary policies to facilitate full employment and economic growth. Prerequisites: Econ. 111, 112.

64-341 — Business Statistics. 3 hours. Same as Business 341. Prerequisite: Math. 117.

64-353 — Marketing. 3 hours. Same as Business 353.

64-359 — Economics of Human Resources. 3 hours. A study of labor markets and their relationship to the economy as a whole. Emphasis will be placed upon wage determination, the impact of labor force participation, and public policies concerning such topics. Prerequisites: Bus. 270, Econ. 111 and 112.

64-362 — Money and Banking. 3 hours. A survey of the financial organizations of society, including the functioning and characteristics of money and credit, investment banking, trust companies, commercial banking, with emphasis on the Federal Reserve System. Current money and banking problems are evaluated in conjunction with the theoretical concepts studies. Prerequisites: Econ. 111, 112.

64-363 — International Economics. 3 hours. A study of the theory of international trade with a view to understanding how trade with a view to understanding how trade is carried on and determining a policy for the various countries to follow in the future. Prerequisites: Econ. 111, 112.

64-366 — Insurance. 3 hours. A general study of insurance and its economic significance to businessmen and society.

64-473 — Investments. 3 hours. Same as Business 473.

History and Political Science — 65

STEPHEN PUSEY (1980)

*Associate Professor of History,
Chairman of the Department*

B.A., 1975, Olivet Nazarene College
M.A., 1976, Northern Arizona University
Ph.D., 1981, Ohio State University

BILL J. ISAACS (1961)

Assistant Professor of History
B.A., 1958, Olivet Nazarene College
M.A., 1959, University of Illinois

WILLIS E. SNOWBARGER (1949)

*Vice President for Academic Affairs;
Dean of the College; Professor of
History;*

B.A., 1942, Bethany Nazarene College
M.A., 1947, University of Oklahoma
Ph.D., 1950, University of California
LL.D., 1967, Olivet Nazarene College

The purpose of the Department of History and Political Science is to acquaint students with the heritage of the past and to place present political, economic, and social problems in their historical perspective.

Majors in history are urged to secure a reading knowledge of French or German and to acquaint themselves with subjects closely related to history in the social sciences.

Major: 30 hours. B.A.

Required:

Hist. 101 — Modern European History, 1500-1815

102 — Modern European History, 1815 to Present

121, 122 — U.S. History Survey

358 — Medieval, Renaissance and Reformation Europe

372 — History of the Ancient World

494 — Readings in History (three hours)

or 597 — Historical Method and Bibliography

or 66-498 Quantitative Research Methods

Additional courses in History and/or Political Science. At least 14 hours must be in the upper division.

To be supported by:

A 16 hour minor or at least one supporting course from each of the fields of Geography, Economics, American Literature, Political Science, and Sociology.

Teaching Major: 32 hours

Required:

Hist. 101 — Modern European History, 1500-1815
 102 — Modern European History, 1815 to the Present
 121, 122 — U.S. History Survey
 358 — Medieval, Renaissance and Reformation Europe
 372 — History of the Ancient World
 Either
 494 — Readings in History (3 hours)
 or 597 — Historical Method and Bibliography

Plus 11 additional hours of History, including 5 hours of upper division courses, and 3 hours of United States History. Supported by the Professional Education Sequence including:
 Soc. Sci. 478 — Teaching the Social Studies.

Minor: 16 hours of History

Required:

One survey course and 6 hours of upper division history courses.

Minor: 16 hours of Political Science

Required:

Pol. Sci. 123 — American Government; and no less than 6 hours of upper division work in political science.

History Teaching Minor: 24 hours

Required:

101 — Modern European History, 1500-1815
 102 — Modern European History, 1815 to Present
 121, 122 — U.S. History Survey

One additional course from United States History and one from General or European History. Six hours must be upper division.

General and European History

65-101 — Modern European History, 1500-1815. 3 hours. A general survey of Europe from the age of the great discoveries to the close of the Napoleonic Wars.

65-102 — Modern European History, 1815 to the present. 3 hours. A study of the development of European nationalism, liberalism, and imperialism; world wars; reconstruction.

65-355 — Europe, 1815-1914. 3 hours. An intensive study of the cultural and political aspects of Europe from the Congress of Vienna to the first World War.

65-358 — Medieval, Renaissance and Reformation Europe. 3 hours. A study of Europe from 350 to 1650 AD. Primary emphasis is given to such topics as the rise and decline of feudalism, the formation of modern nations; and economic, cultural and social changes resulting from the shift from medieval to modern times. Religious changes are traced through the Medieval Church to the Protestant and Catholic Reformations.

65-361 — Russian History. 3 hours. A political and social history of Russia from the Kievan Period to the present. Special attention is given to the social movements that characterized much of the nineteenth century and the conditions that contributed to the Revolution of 1917. The subsequent Bolshevik regime and the place of Russia on the modern world are also studied.

65-362 — The Pacific World in the Modern Age. 3 hours. A study of the transformation of East Asia resulting from the intrusion of the West, from the early 19th Century to the present. Primary emphasis is placed on the civilizations of China, Japan, India and Korea, and on the contacts between Eastern Asia and the West.

65-363 — Latin American History. 3 hours. Examines the geographical, political and constitutional structures, social distinctions, economic conditions, and religious and cultural developments of the Iberian Peninsula on the eve of the Age of Exploration. The transplantation and adaptation of these institutions and their blending with the Indian and Afro contributions are continued through the colonial era in the New World. The major countries of Mexico, Brazil, Argentina and Chile are given primary attention following their independence.

65-369 — American Urban History. 3 hours. Same as So.Sci. 369.

65-372 — History of the Ancient World. 3 hours. Examines the political and constitutional structures, the social distinctions, the economic conditions, the geographical influ-

ences, and the cultural and religious developments of civilizations stretching from the Tiber and Aegean regions across the paths of the Egyptians and Mesopotamians, to the Indus-Ganges and Huang Ho regions of India and China. Comparisons, contrasts and interchange of civilizing forces of both contemporary and later cultures are pointed out.

65-375 — Constitutional History. 3 hours. A study of the British and American constitutions in their historical setting. Recommended for all pre-law students. Prerequisite: 3 hours of American History or Government or permission of the instructor.

65-378 — English History. 3 hours. A study of the evolution of English-Commonwealth institutions from the earliest times to the present. Emphasis is placed on the constitutional, religious, economic, and diplomatic developments.

65-381 — The World since 1945. 3 hours. An examination of the major events, issues, individuals and institutions which have influenced world affairs since the end of World War II. An emphasis is placed on the political, economic and social differences separating communist and non-communist countries, and their relationship to Third World societies.

65-494 - Readings in History. 1 to 4 hours. Self-study of historical readings under faculty direction in an area of special interest. Suggested for seniors and qualified juniors with a major in history/political science. All other students must secure the approval of the instructor. No more than 4 hours of credit may be earned through readings in history and political science combined.

65-597 — Introduction to Historical Method and Bibliography. 3 hours. An introduction to problems of historical research and the use of the library. Recommended for all majors contemplating graduate work. Prerequisite: 20 hours of history.

United States History

65-121, 65-122 — U.S. History Survey. 3 hours both semesters. A survey course of the history of the United States, covering the period from the discovery of America to the present.

65-481 — Colonial Period in American History. 3 hours. A study of the cultures and institutions in the English colonies of North America, and the local conditions that shaped them into an American product.

65-486 — Civil War and Reconstruction. 3 hours. A study of the period 1850 to 1876, including the causation of the war, foreign relations, and the problems of reconstruction.

65-487 — Recent U.S. History. 3 hours. A study of modern America since World War I. Emphasis is placed on such problems as the government and business, reform movements, political movements, foreign relations, and the United States' role in world politics.

Political Science — 66

66-123 — American Government. 3 hours. A study of the structure and functions of the federal government in the United States.

66-125 — Illinois Government. 1 hour. A study of Illinois Government with special attention to constitutional development and the organization and functioning of the government. (This course is designed to meet certification requirements for students planning to teach in this state.)

66-242 — Federal Seminar. 1-3 hours. Credit is given for participation in an extended seminar in Washington, D.C., involving lectures, group sessions and visits to various governmental agencies. Attendance at, and participation in, campus-based class sessions and follow-up activities may also be required.

66-365 — World Politics. 3 hours. A study of diplomacy, nationalism, war, and the forces underlying politics among nations. The merits of power, morality, law, public opinion, and the possibility of world government are considered.

66-369 — Contemporary Political Thought. 3 hours. A survey of ancient, medieval and early modern political thinkers. An analysis and discussion of contemporary political expressions, as Marxist-Leninist communism, democracy, socialism, fascism, and syndicalism. Some attempt is made to distinguish between conservatism and liberalism.

66-375 — Constitutional History. 3 hours. Same as History 375.

66-497. Readings in Political Science. 1-4 hours. Same as History 494.

66-498 — Quantitative Research Methods. 1-4 hours. Same as Sociology 496.

66-597 — Political Science Research Methods. 3 hours. An introduction to the use of documentary research in the field of political science. The student will be required to apply research methods to a topic of interest. Recommended for all majors contemplating graduate work in political science. Prerequisite: 20 hours in history and political science.

Home Economics — 67

RUBALEE WICKLAND (1969)

*Professor of Home Economics;
Chairwoman of Department*

B.S., 1968, Olivet Nazarene College
M.S., 1969, University of Illinois
Ph.D., 1982, Oklahoma State University

DIANE FREY (1978)

*Assistant Professor of Home
Economics*

B.S., 1974, Olivet Nazarene College
M.A., 1978, Western Michigan University
University of Iowa

LINDA SHELTON (1978)

*Assistant Professor of Home
Economics*

B.A., 1975, Olivet Nazarene College
M.S., 1977, Case-Western Reserve
University
Indiana University

The Department of Home Economics offers the student a broad curriculum with basic fundamentals in many areas of home economics. By careful selection of courses in the program, a student may prepare for entrance into any one of six areas of specialization including:

- Dietetics
- Foods and Nutrition in Business
- Fashion Merchandising
- Family Services
- Teaching home economics
- Food Service Management
- (A.A. degree)

Certain home economics courses may apply as social science credit toward a social science major with the approval of the Chairman of the Division.

Home Economics Major: B.A. or B.S.

Dietetics Option: 30 hours

Required:

H.E. 101 — Orientation to Home Economics
121 — Introduction to Nutrition
130 — Food Preparation
124 — Dietetic Field Experience
327 — Human Nutrition
328 — Diet Therapy and Community Nutrition

332 — Marketing and Meal Management
333 — Foodborne Disease Control
335 — The World Food Problem
337 — Quantity Foods
353 — Institutional Management

Supporting courses as required by the American Dietetic Association:

Psych. 101 — Intro. to Psychology
202 — Educational Psychology
Business
260 — Principles of Management
362 — Economics of Human Resources
469 — Personnel Management
Econ. 111, 112 — Princ. of Economics
Acct. 105 — Princ. of Accounting
Biol. 121 — General Zoology
245 — Anatomy and Physiology
356 — Microbiology
Chem. 103 — General Chemistry
114 — Chem. for Life Sciences
311 — Organic Chemistry I
373 — Biochemistry
or Bio. 373 — Molecular Biology
Math. — Algebra and Trigonometry
125 — Concepts of Computer Science
or 341 — Statistics
Soc. 364 — Anthropology
or 383 — Race and Ethnic Relations

Foods and Nutrition in Business Option: 39 hours

Required:

H.E. 101 — Orientation to Home Economics
121 — Introduction to Nutrition
130 — Food Preparation
327 — Human Nutrition
328 — Diet Therapy and Community Nutrition
332 — Marketing and Meal Management
333 — Foodborne Disease Control
335 — The World Food Problem
337 — Quantity Foods
342 — Household Equipment and Energy
352 — Consumer Economics
353 — Institutional Management
487 — Field Placement

Required supporting courses:

Bus. 101 — Introduction to Business and Economics
260 — Principles of Management

353 — Marketing
 469 — Personnel Management
 English 241 — Journalism
 Biol. 121 — General Zoology
 Chem. 103 — General Chemistry

Recommended supporting courses:

Biol. 356 — Microbiology
 Chem. 114 — Chemistry for Physical Sciences
 311 — Organic Chemistry I
 Home Ec. 336 — Food Microbiology
 438 — Food Chemistry
 or additional Home Economics courses

**Fashion Merchandising Option:
 36 hours**

Required:

H.E. 101 — Orientation to Home Economics
 111 — Textiles and Design
 112 — Principles of Clothing Construction (3 hours)
 140 — Interior Design
 314 — Fashion Analysis
 342 — Household Equipment and Energy
 352 — Consumer Economics
 415 — Tailoring
 416 — Fashion Merchandising
 487 — Field Placement (5 hours)
 513 — Principles of Pattern Design
 542 — Heritage of Interiors

Required supporting courses:

Bus. 260 — Principles of Management
 354 — Retail Merchandising
 469 — Personnel Management
 Acct. 105, 106 — Principles of Accounting
 Speech 101 — Fundamentals of Speech
 222 — Psychology of Human Communication
 or 348 — Small Group Communication
 Chem. 101 — Introduction to Chemistry

Recommended supporting course:

Art 103, 104 — Drawing Studio
 English 241 — Journalism
 Math 125 — Concepts of Computer Science

Family Services Option: 36 hours

Required:

H.E. 101 — Orientation to Home Economics
 121 — Introduction to Nutrition

130 — Food Preparation
 261 — Marriage and the Family
 262 — Child Development
 or 263 — Adolescent & Adult Development
 332 — Marketing and Meal Management
 335 — The World Food Problem
 342 — Household Equipment and Energy
 352 — Consumer Economics
 354 — Principles of Home Management
 487 — Field Placement
 492 — Social Work Methods and Delivery of Services

Required supporting courses:

Ed. 576 — Survey of the Exceptional Child
 Soc. 121 — Introduction to Sociology
 369 — Urban Sociology
 383 — Ethnic Relations
 493 — Juvenile Delinquency
 497 — Social Casework
 Psych. 101 — Introduction to Psychology
 311 — Psych. of Personal Adjustment
 466 — Psychology of Counseling
 Speech 101 — Fundamentals of Speech

Recommended supporting courses:

Soc. 231 — Contemporary Social Problems
 370 — Fields of Social Work

Home Economics Teaching Major: 40 hours. B.A. or B.S.

Required:

H.E. 101 — Orientation to Home Economics
 111 — Textiles and Design
 112 — Principles of Clothing Construction (3 hours)
 121 — Introduction to Nutrition
 130 — Food Preparation
 140 — Interior Design
 or 542 — Heritage of Interiors
 261 — Marriage and the Family
 262 or 263 — Developmental Psychology
 314 — Fashion Analysis
 or 415 — Tailoring
 or 513 — Principles of Pattern Design

162 Home Economics

- 332 — Marketing and Meal Management
or another foods course
- 352 — Consumer Economics
- 354 — Principles of Home Management
- 455 — Home Management Practicum
- 475 — Curriculum and Methods

Required supporting courses:

Chem. 101 — Introduction to Chemistry
The Professional Education Sequence

Recommended additional courses:

- H.E. 342 — Household Equipment and Energy
- 487 — Field Placement
- 542 — Heritage of Interiors
or 140 — Interior Design

Minor: 16 hours

Required:

Courses approved by the Department
Chairman.

Teaching Minor: 24 hours

Required:

- H.E. 111 — Textiles and Design
- 112 — Principles of Clothing
Construction (3 hours)
or another clothing class
- 121 — Introduction to Nutrition
- 130 — Food Preparation
- 140 — Interior Design
or 542 — Heritage of Interiors
- 332 — Marketing and Meal
Management
- 352 — Consumer Economics

Three additional hours from the department

Associate of Arts Degree for Food Service Management

Required:

- H.E. 121 — Introduction to Nutrition
- 130 — Food Preparation
- 123, 124, 225, 226 — Dietetic Field
Experience
- 328 — Diet Therapy and Community
Nutrition

- 332 — Marketing and Meal
Management
- 333 — Foodborne Disease Control
- 337 — Quantity Foods
- 353 — Institutional Management

To be supported by:

Chem. 101 — Introduction to Chemistry
Acct. 105 — Principles of Accounting
Bus. 260 — Principles of Management

In completing the General Education
Requirements, include Biology 141 —
Personal and Community Health, and
Sociology 121 — Introductory Sociology.

Courses

67-101 — Orientation to Home Economics. 1 hour. A review of the development of home economics as a profession, the philosophy, and a study of the careers open to home economics graduates.

67-111 — Textiles and Design. 3 hours. Evaluates the various types of natural and synthetic fibers used in fabric. Examines varieties of yarns, fabrics, design and color, and finishes. The course is designed to increase knowledge in the selection, use and care of textile products.

67-112 — Principles of Clothing Construction. 3 hours. A modular class including units on basic construction techniques, pattern selection and garment construction, selecting quality ready-to-wear, pattern alteration and fitting, couture techniques and problem fabrics, construction of designer garment, managing a sewing laboratory and mass production techniques. May be repeated for a maximum of 6 hours.

67-121 — Introduction to Nutrition. 3 hours. A study of the nutritive value of foods and the application of these principles in selection of an adequate diet and maintenance of good health.

67-130 — Food Preparation. 3 hours. Principles, techniques and processes involved in the preparation of food. Lecture and laboratory.

67-123, 124, 225, 226 — Dietetic Field Experience. 123: 1 hour; 124: 2 hours; 225: 3 hours; 226: 4 hours. Supervised field experience in dietary departments of health care institutions under the direction of professionally trained food service supervisors and Registered Dietitians. Emphasis is given to menu planning, purchasing of food and supplies, meal service and distribution; scheduling, supervising and evaluation of employees; providing nutritional counseling and support to patients. Supplemented by conferences and seminar discussions.

67-140 — Interior Design. 3 hours. A study of the basic principles in developing a pleasant home environment. Types of flooring, innovative wall treatments, color schemes and design, window treatments, and furniture arrangements are among the topics that are studied in regard to suitability, manufacturing quality, aesthetic value, comfort, maintenance, and meeting the needs of the individual. Field trips will be taken to illustrate principles studied in the class.

67-261 — Marriage and Family. 3 hours. Same as Sociology 232.

67-262 — Child Developmental Psychology. 3 hours. Same as Psych. 211.

67-263 — Adolescent and Adult Developmental Psychology. 3 hours. Same as Psych. 212.

67-314 — Fashion Analysis. 3 hours. Includes a study of famous European and American fashion designers, fashion terminology, and fashion movement of repeated fashion cycles. Clothing selection is studied with application of art principles as line, design and color to various figure types and personalities. Wardrobe planning and color analysis is studied.

67-327 — Human Nutrition. 3-4 hours. Same as Biol. 362.

67-328 — Diet Therapy and Community Nutrition. 3 hours. A study of diet in relation to its role in the body to maintain health and to correct nutritional deficiencies occasioned by surgery or special illnesses.

67-332 — Marketing and Meal Management. 3 hours. A study and practice in planning, purchasing, preparation, storage, sanitation, menu structure, nutrient values, use of metrics, comparison of unit cost according to quality and purpose and management of time and energy for large and small groups. All styles of food service with suitable table appointments are used. Lecture and laboratory. Prerequisite: 67-130.

67-333 — Foodborne Disease Control. 3 hours. This course offers practical information about the common foodborne diseases, the conditions that favor their transmission, the methods that effectively control them, and the legal and administrative aspects of control and enforcement.

67-335 — The World Food Problem. 3 hours. Same as Sociology 374.

67-336 — Food Microbiology. 5 hours. Same as Biology 375.

67-337 — Quantity Foods. 3 hours. Standard methods of quantity food production and menu planning for social groups and institutions. Food costs and nutritional values are related to experiences in food service. Lecture and laboratory.

67-342 — Household Equipment and Energy. 3 hours. Principles related to the selection, use and care of various portable and major appliances used throughout the entire home relative to energy usage.

67-352 — Consumer Economics. 3 hours. Emphasizes basic problems for the consumer, including borrowing for consumption, housing, insurance, investments, family budgets, quality standards, buying and frauds. The purpose of the course is to make the student aware of the rights of the consumer and legislation enforcing these rights.

67-353 — Institutional Management. 3 hours. Presents the principles of management relative to selection of equipment, operational procedures, time and energy of personnel, financing and money management.

67-354 — Principles of Home Management. 3 hours. Application of the managerial principles of individual family resources such as the use of time, human energy, money, values, goals and standards are evaluated and clarified. The decision-making process of management is based on values, and determines how to use the limited resources.

67-415 — Tailoring. 3 hours. A study of tailoring techniques by construction of an ensemble, suit or coat. Prerequisite: H.E. 112 or 213, by permission. Lecture and laboratory.

67-416 — Fashion Merchandising. 3 hours. A comprehensive look at the fashion business, giving students an understanding of many professional positions available. Dollar planning and merchandise buying is learned in-depth, with coverage of merchandise. Also, a section of the course deals with the fashion buyer's role in advertising, sales promotion, publicity and special events. Field trips to the Chicago Apparel Center and Merchandise Mart are required.

67-429 — Nutritional Biochemistry and Metabolism. 5 hours. Same as Biology 488.

67-438 — Food Chemistry. 4 hours. Same as Chemistry 481.

67-455 — Home Management Practicum. 3 hours. Responsibility of solving problems involved in management of present day homes. Emphasis on food management, use of equipment, and evaluation of projects. Laboratory. Prerequisite: H.E. 354.

67-475 — Curriculum and Methods. 5 hours. Development of effective teaching methods based on current educational trends. Curriculum planning, observations, and miniteaching experiences planned for secondary and adult levels. Study of the philosophy and procedures for vocational, cooperative and occupational Home Economics programs. Three hours may

apply toward the teaching major. The other two satisfy the special methods requirement in the Professional Education Sequence. Prerequisites: Psych. 101, H.E. 262 or 263, Educ. 249, 351. Taken concurrently with Educ. 480.

67-487 — Field Placement. 5 hours. An individualized career-oriented internship. Selected learning experiences in approved work situations in food industry, fashion retail, child care, vocational career centers or welfare agencies. Prerequisite: consent of instructor and head of department.

67-492 — Social Work Methods and Delivery of Services. 3 hours. Same as Sociology 492.

67-496 — Projects in Home Economics. 1 — 5 hours. Individual and group investigations and discussions of special problems of projects in various areas of Home Economics.

67-513 — Principles of Pattern Design. 3 hours. Interpretation of dress design developed through the medium of flat pattern; introduction to pattern drafting. Prerequisite: H.E. 112 or approval of instructor.

67-542 — Heritage of Interiors. 3 hours. Residential architecture and furnishings prior to and including the 18th century, with emphasis on the periods which have greatly influenced housing and interior design.

Sociology and Anthropology — 68

JOSEPH F. NIELSON (1969)

Professor of Sociology; Chairman of Department; Chairman of Division of Social Sciences

B.A., 1949, Olivet Nazarene College
M.A., 1964, Michigan State University
Ph.D., 1972, Michigan State University

JOHN W. HAWTHORNE (1981)

Assistant Professor of Sociology

B.S., 1978, Purdue University
M.S., 1981, Purdue University

This department shares specific responsibility with other departments in the Division of Social Sciences for the achievement of institutional objectives which aim at the development of personality factors contributing to well-informed Christian citizenship.

The particular aims of the department in the achievement of general institutional objectives are: (1) To inform the students as to the structure and processes of human

relationships in their community, ethnic, nationality and other contexts; (2) To train the student in the use of the scientific method in the sociological field; (3) To train the student to practice the Christian concept of altruistic love in all human relationships, group as well as individual; (4) To provide pre-social work training.

Courses in the Sociology and Anthropology Department are designed to give students the background for a great variety of career options.

Careers in Sociology: Urban planning, administration, personnel work, social work, missionary work, Peace Corps, Vista, clergyman, attorney, economist, political scientist, historian, and in institutional settings.

Careers in Research: government, industry, universities.

Careers in Teaching: Urban problems, demography, race relations, sociology, research methods, criminology, juvenile delinquency.

Careers in Social Welfare: Foster care, adoption, senior citizens, public aid, child abuse, racial discrimination, juvenile delinquency, family problems, physically handicapped, unwanted pregnancies, mental retardation, rehabilitation.

Careers in Social Justice: Probation, juvenile delinquency, parole, transition centers, rehabilitation centers, investigation, prisons, police work, personnel, and counseling.

A 450-hour Field Placement in a public or private agency reinforces the work in the classroom, giving each student "hands-on" experience in these career possibilities.

Sociology Major: 28 hours. B.A.

Recommended:

Soc. 121 — Introductory Sociology
232 — Marriage and the Family
341 — Statistics
369 — Urban Sociology
383 — Ethnic Relations Around the World
490 — Social Thought
495 — Sociology of Religion
496 — Quantitative Research Methods
Fifteen hours must be upper division.

To be supported by:

6 hours of History, 6 hours of Psychology, 3 hours of Speech and 2 hours of Philosophy.

Social Welfare Major: 30 hours. B.A. or B.S.***Recommended:***

Soc. 121 — Introductory Sociology
 321 — Social Psychology
 370 — Fields of Social Work
 487 — Field Placement
 492 — Social Work Methods
 497 — Social Casework
 498 — Social Welfare
 Fifteen hours must be upper division.

To be supported by:

6 hours of History, 3 hours of Speech, 6 hours of Psychology, and 2 hours of Philosophy, and one of the following minors:

A. Sociology: 16 hours. Courses to be approved by the department. 10 hours must be upper division.

B. Psychology: 20 hours including
 203 — History and Systems of Psychology
 211 or 212 — Developmental Psychology
 301 — Advanced General Psychology

C. Economics: 18 hours including
 Econ. 111, 112 — Principles of Economics
 311 — Intermediate Microeconomics
 312 — Intermediate Macroeconomics
 and 6 hours of upper division work.

D. Home Economics: 16 hours: Courses approved by the Chairman of the Department.

Social Justice Major: 31 hours. B.A. or B.S.***Recommended:***

Soc. 121 — Introductory Sociology
 232 — Marriage and the Family
 321 — Social Psychology
 383 — Ethnic Relations Around the World
 487 — Field Placement
 493 — Juvenile Delinquency
 494 — Criminology and Social Justice Systems
 497 — Social Casework

To be supported by:

6 hours of History, 6 hours of Psychology, 3 hours of Speech and 2 hours of Philosophy.

Sociology Minor: 16 hours***Required:***

Courses approved by the Department Chairman. 10 hours must be upper division.

Social Welfare or Social Justice Minor: 18 hours

Courses to be approved by the Department Chairman and to include at least 10 hours of upper division work.

Associate of Arts Degree in Social Welfare***Required:***

Soc. 121 — Introductory Sociology
 231 — Contemporary Social Problems
 232 — Marriage and the Family
 321 — Social Psychology
 383 — Ethnic Relations Around the World
 498 — Social Welfare
 Psych. 101 — Introduction to Psychology
 211 or 212 — Developmental Psychology
 Hist. 121, 122 — U.S. History Survey
 H.E. 352 — Consumer Economics
 Sp. 101 — Fundamentals of Speech

In completing the General Education requirements include:

F.A. 101 — Introduction to Fine Arts
 Biol. 141 — Personal and Community Health

Courses

68-121 — Introductory Sociology. 3 hours. This course introduces the student to a study of heredity, culture, environment, and the group as they influence personality and group behavior. A brief study is made of propaganda, human ecology, population, institutions, and social process.

68-122 — Human Geography. 2 hours. Same as Geography 122.

68-231 — Contemporary Social Problems. 2 hours. A number of the most acute problems of contemporary life are investigated, including the social effects of soil erosion and conservation, health, war, personality disorganization, and poverty.

68-232 — Marriage and the Family. 3 hours. A brief history of the family is traced with some study of the commoner types of marriage and family organization. Factors making for proper mate selection and marital happiness are considered at length. Bringing up children and living with grandparents are studied.

68-260 — Principles of Management. 3 hours. Same as Business 260.

68-321 — Social Psychology. 3 hours. Same as Psychology 321.

68-341 — Statistics. 4 hours. Same as Math. 341.

68-348 — Small Group Communication. 3 hours. Same as Speech Communication 348.

68-349 — Intercultural Communication. 3 hours. Same as Speech 349.

68-352 — Consumer Economics. 3 hours. Same as Home Econ. 352.

68-354 — Communication Theory. 3 hours. Same as Speech Communication 354.

68-359 — Economics of Human Resources. Same as Economics 359.

68-364 — Anthropology. 3 hours. This course is designed to provide the student with an introductory survey of cultural anthropology. It should provide the student with training enabling him to appreciate the cultures of all peoples and lead him to a better perspective for the understanding of his own.

68-369 — Urban Sociology. 3 hours. Same as So.Sci. 369.

68-370 — Fields of Social Work. 3 hours. A survey is made of the various fields of social work; their history, problems, and techniques.

68-374 — World Food Problem. 3 hours. This is an interdisciplinary study including biological, chemical, sociological, economic, public health, and educational aspects. Important features of the world food problem and major possibilities for improvement are discussed. Student presentations as well as individual and group projects are given special emphasis.

68-383 — Ethnic Relations Around the World. 3 hours. Ethnic relations around the world will be considered in a theoretical framework. The aim is to impart a sociological understanding of minority groups in all cultures.

68-487 — Field Placement. 10 hours. Thirty-five hours per week in an approved agency under the supervision of a professionally trained social worker. This will be arranged according to the interests of the student. Senior or Junior years.

68-490 — Social Thought. 3 hours. A study of the contribution of leaders in the field of sociology, with emphasis on historical and contemporary theorists.

68-492 — Social Work Methods and Delivery of Community Services. 3 hours. Concentration on techniques of social work and their relation to various fields of social services. Special attention is given to community health services along with client agency interaction and community organization.

68-493 — Juvenile Delinquency. 3 hours. Alternate years. A study of the problems of juvenile delinquency in America, including its nature and causes, the juvenile justice system, and the methods of treatment, probation, detention and prevention.

68-494 — Criminology and Social Justice Systems. 3 hours. The origins of crime in the American community are examined, together with the various methods of dealing with it. Emphasis is placed on the relation of crime to community disorganization and to politics and government.

68-495 — Sociology of Religion. 3 hours. A sociological consideration of religion related to culture, society, and the individual. One unit deals with personal experience in religion.

68-496 — Quantitative Research Methods. 3 hours. This course serves as a basic introduction to the techniques and problems of quantitative research methods in the social sciences. Various techniques of data collection will be covered, along with discussions of validity, reliability, the relation of research to sociological theory, and computer analyses of research techniques. This course is specifically recommended for those students interested in jobs in research capacities and those interested in graduate school. Previous exposure to the use of statistics would be beneficial. Enrollment is limited to seniors and graduate students.

68-497 — Social Casework. 3 hours. A review of case studies in the relation professional standards, personal objectives, attitudes, self-evaluation, and theoretical concerns.

68-498 — Social Welfare. 3 hours. A survey of the historical development of social welfare and its institutionalization in the U.S. Social welfare programs and their interrelationship are analyzed.

68-597 — Seminar in Social Science. 3 hours. Same as Soc. Sci. 597.

Geography — 69

69-121 — Physical Geography. 2 hours. A course presenting an orderly treatment of the major physical elements with which man contends and their distribution over the earth.

69-122 — Human Geography. 2 hours. A course presenting the distribution of cultural elements of the human habitat and the principal ways man makes use of physical setting in which he lives.



Graduation Ceremonies on the Central Campus Esplanade, May 1984.

9

Division of Graduate Studies

Gary W. Streit, Chairman

Statement of Purpose

The Division of Graduate Studies attempts to fulfill the following general objectives in harmony with those set forth earlier in this catalog.

1. To provide an atmosphere which will stimulate intellectual curiosity and constructive critical thinking.
2. To develop an appreciation of current research and the value of research and an acquaintance with basic research techniques.
3. To strengthen the professional competencies of the individual in his area of specialization.
4. To develop an increased understanding of human nature and Christian values.

Accredited by

North Central Association of College and Secondary Schools

A Member of

American Association of Colleges for Teacher Education
 American Council on Education
 Midwest Conference on Graduate Study and Research
 Associated Colleges of Illinois
 Federation of Independent Illinois Colleges and Universities
 Illinois Association for Teacher Education in Private Colleges

History of Graduate Studies at Olivet

The Graduate Program of Olivet Nazarene College was authorized by the Board of Trustees in February, 1961, and the Graduate Council was appointed immediately thereafter by the President of the College. A Director of Graduate Studies in Religion had previously been designated.

The first graduate students were admitted in September, 1962. Preliminary accreditation for the Master of Arts with majors in Biblical Literature and Theology was granted by the North Central Association in August, 1965, for extension of preliminary accreditation to include the Master of Arts in Education degree with a major in Elementary Education in July, 1968 and to include a major in Secondary Education in August, 1973. A Director of Graduate Studies in Education was appointed and first graduate courses in Education were offered in the fall of 1968. A Chairman of the Division of Graduate Studies was appointed in August 1984 to coordinate all graduate studies.

Distinctive Features

Olivet Nazarene College offers graduate study in a Christian environment having a distinctively Wesleyan emphasis.

The location of the 160-acre campus in a growing community of Kankakee, Illinois, with an area population of 100,000, 60 miles south of Chicago provides for excellent work opportunities, the cultural advantages of the large city and access to libraries of several universities and divinity schools.

The College library, housed in a modern air-conditioned building, has adequate holdings for graduate study in the fields in which majors are offered. An extension to provide additional stack space, an expanded curriculum center, and an instructional media center was completed in 1976.

Those on the Graduate Faculty come from many of the leading universities of the nation. They are chosen because they are especially concerned and eminently competent to teach at the graduate level, to assist students in research and other scholarly activities (at that level), and to participate in the Graduate Program planning and policy making.

The Graduate Program

The Graduate Division offers courses leading to the Master of Arts degree with a major in Religion and the Master of Arts in Education with majors in Elementary Education and Secondary Education. The Master of Church Management degree is offered through the Institute for Church Management.

Responsibilities of the Student

The graduate student is responsible for complete knowledge of all regulations and procedures as published in the *Catalog*. The student should take the initiative in seeing that required forms are completed and returned to the office of the Director of Admissions or the Chairman, Division of Graduate Studies. These include: admission forms, transcripts of former work taken, certificates of recommendation, admission to candidacy forms, acceptance of research option report, and any completed final examination required. The student is responsible for seeing that the graduate fee and the thesis binding fee are paid and that his cap and gown are ordered.

Admission Procedures

Application forms for admission to Graduate Studies may be obtained from and must be filed with the Director of Admissions, together with official transcripts of all previous college work taken and certificates of recommendation, well in advance of the opening of the semester of summer session in which courses are to be taken. Admission status is determined by the Chairman, Division of Graduate Studies, according to the criteria below. Any deviation from the requirements or any subsequent changes in admission status must be approved by the Graduate Council. Admission to graduate study does not constitute admission to candidacy for the Master's degree.

1. Regular Admission

The requirements for admissions to graduate study leading to the Master's degree with a major in Elementary Education, Secondary Education or Religion include:

1. A Bachelor's degree from an accredited college or university.
2. A grade point average of 2.5 (based on a 4.0 grading system).
3. Ability to successfully pursue graduate work (as evidenced by transcripts and certificates of recommendation from former instructors and professional supervisors).
4. Moral character consistent with attendance at a Christian college (as evidenced by certificates of recommendation).
5. Additional requirements as may be deemed appropriate by the individual departments offering the graduate degree to insure a highly qualified student body. See departmental graduate curriculum for specific requirements of the several departments.

2. Conditional Admission

A student who does not meet regular admission requirements but who desires to pursue work leading to a Master's degree at Olivet may, in some cases, be permitted to enroll conditionally in a limited number of graduate courses. Regular status may be obtained after removal of deficiencies and/or after acceptable work at Olivet of not less than eight semester hours at the graduate level. In either case an application for removal of conditional status, together with required supporting evidence, shall be submitted to the Chairman, Division of Graduate Studies. If the application is approved, the applicant will be so notified and may continue in the program.

3. Special Admission

A student who does not plan to become a candidate for the Master's degree in this institution, but who wishes to take work for graduate credit as a special graduate student may do so by submitting all application forms for admission and meeting the following requirements:

- (1) A Bachelor's degree.
- (2) Ability to do graduate level course work as evidenced by transcripts and recommendations.
- (3) Moral character consistent with attendance at a Christian college. Recommendations as required by the college Office of Admissions must be furnished.
- (4) Other requirements as stated in the departmental graduate curriculum section of the bulletin.

A student admitted by special admission is not expected to pursue a program leading to a degree at Olivet Nazarene College. Should he so desire later, an application for change of status must be submitted to the Chairman, Division of Graduate Studies, approval obtained, course work evaluated, and regular steps in the graduate program followed. Credit earned as a special student is not automatically applied toward degree requirements. No more than nine semester hours of credit earned as a result of special admission may be applied towards the credit requirements for the Master's degree.

4. Senior-Graduate Admission

A senior who is within the last semester of completing the course requirements for the baccalaureate degree or other person who has not earned the baccalaureate degree and who:

- (1) is of good moral character as evidenced by pastor's and friend's or associate's recommendations or current undergraduate registration at Olivet Nazarene College,
- (2) seemingly is able to do graduate work as evidenced by transcripts may, with the approval of the Chairman, Division of Graduate Studies, register for two graduate courses per semester. A petition for additional hours or course work may be submitted to the Director of Graduate Studies for approval by the Graduate Council. To obtain regular graduate status after having been granted the Bachelor's degree, the student must follow regular graduate admission procedures. Senior-Graduate students may take courses to fill out undergraduate needs, for certification, for enrichment, or for future use in the graduate program. However, graduate courses cannot be taken to count for both undergraduate and graduate.

NOTE: The college offers some courses numbered 500 which are open to both seniors and graduate students. Seniors may take these courses without Senior-Graduate standing and without special permission of the Graduate Office.

Assignment of Adviser

The applicant for admission to graduate study will be notified of the action taken on his application. If regular or conditional admission is granted, a faculty adviser will be appointed. For other types of admission, the Chairman, Division of Graduate Studies will be the adviser. The student should work closely with his adviser in planning a graduate program which recognizes the student's aims and needs. The adviser's approval is required for all work done to meet degree requirements.

Graduation Requirements

The Master of Arts degree requires the completion of 30 graduate semester hours, including credits, if any, earned for the thesis or other scholarly paper option, with an average grade point of 2.7 or above.

The Graduate Record Examination must be taken by candidates for the Master of Arts in Education degree.

Admission to Candidacy for the degree must be approved by the Graduate Council.

The student is expected to submit three copies of a thesis or other scholarly paper meeting standards set by the college. Details may be obtained from the Director of Graduate Studies.

Any required written comprehensive examinations, and any required oral examination relative to the thesis or other scholarly paper must be completed at least two weeks before graduation. Proper forms must be filed with the appropriate Director, Division of Graduate Studies.

See departmental graduate curriculum for specific courses and other requirements of the several departments.

Second Master's Degree

A graduate student who already has a graduate degree from Olivet may earn a second degree at Olivet by meeting all admission requirements and fulfilling all degree requirements which are unique to the appropriate program.

In no case will such second degree be granted until 18 additional semester hours of graduate credit beyond the first Master's degree are earned.

A second major, if offered under the same degree, may be earned by satisfying all additional requirements for that degree.

Time Limit and Student Load

For completion of the degree requirements, the student is allowed a time limit of six years from the beginning of the first graduate course at this institution. Course work taken more than six years previous to completing degree requirements may be updated and validated by examination.

The maximum course load during any semester is 15 semester hours and during the regular summer session is 9 semester hours. A graduate student who works full time with a stated wage or salary rate shall ordinarily be limited to carrying 3 to 6 hours of credit depending on whether his grade point average is below 3.5 or above 3.5, respectively. Petitions for exception to this restriction may be made to the Chairman, Division of Graduate Studies, who shall approve or disapprove the petition. A student will be considered a full-time student if he carries nine semester hours during the semester or six semester hours during the summer sessions.

Scholarship Requirements

Graduate students must earn an average of 2.7 or above on all work credited toward the degree requirements. Transfer credits with a grade below "B" will not be accepted. No credit is allowed toward degree requirements for courses in which a grade below "C" is earned.

Residence and Transfer Credit

Six semester hours of graduate credit, if a grade of A or B has been earned, may be transferred from accredited schools to apply towards the required 30 hours. The Graduate Council, in special cases upon petition by the graduate student, may authorize acceptance of additional transfer credits. Extension and correspondence course credits are not ordinarily accepted for transfer. A student required to make up an undergraduate deficiency cannot count these hours toward the number required for the degree. For minimum residence requirements see departmental requirements.

Transfer credits are accepted and recorded on the Graduate Permanent Record Card only upon or after Admission to Candidacy and after approval by, and notice from, the Graduate Office.

Changes in Registration

Policies relating to changes in registration and withdrawal are stated in the Catalog, Chapter 6, Academic Regulations.

Admission to Candidacy

Admission to graduate study does not constitute admission as a candidate for the Master's degree. Admission as a candidate for a degree is based on evidence that the applicant possesses the ability to complete the proposed program. After completing 9 semester hours with a 2.7 average or better and, in some departments after taking the aptitude and advanced tests of the Graduate Record Examination (G.R.E.), the student must file a petition for admission as a candidate for the Master's degree.

The proper forms may be secured from and must be filed with the Director of Graduate Studies before completing 12 semester hours. A program of study leading to the degree must be included.

See departmental graduate curriculum for specific requirements of the several departments.

Graduate Committee

The faculty adviser appointed for each student will assist the student in the selection of a topic and the preparation of the thesis or other scholarly paper. The adviser must approve the title.

Following admission to candidacy, a graduate committee of three will be appointed for each student, consisting of his adviser (or person named by him) as chairman, one member from the division in which the student's major work is being done, and one member from outside the division. This committee will pass upon the quality of the thesis or other scholarly paper; it will administer any written or oral comprehensive examinations which may be required; it will assist the candidate in completion requirements for the degree. For specific information relating to examinations, if any are required, see the graduate major below.

Thesis or Other Scholarly Paper

Each candidate for the Master's degree must show evidence of scholarly interest and proficiency by registering for (see course descriptions) and satisfying the requirements of one of the following four research options:

- A. **THESIS:** Presentation of a thesis demonstrating ability to do independent research and report the same. 3-5 semester hours credit.
- B. **SEMINAR PAPER:** Presentation of a seminar or research paper demonstrating ability to present, support and defend a position or hypothesis. This will be both written and oral. 2-3 semester hours credit.
- C. **CREATIVE PROJECT:** Presentation of a creative project demonstrating ability to do creative thinking and report the results. 2-3 semester hours credit.
- D. **COURSE PAPERS:** Presentation of three graduate course papers demonstrating ability to do critical thinking and formal writing. At least two of these papers should be in student's concentration area. 0-1 semester hours credit.

Kate L. Turabian's *Manual for Writers of Term Papers, Theses and Dissertations*, Fourth Ed., 1973 is the official standard for the composition of the research report, along with mimeographed materials available in the graduate office. For May graduation, the final draft of the thesis or scholarly paper is due no later than April 25. Detailed requirements for filing of the thesis or other scholarly paper may be obtained from the Graduate Director.



Pastors in the Institute for Church Management learned about uses of microcomputers in a local church for bookkeeping, addressing, preparing bulletins and mailers, and other writing tasks.

Master of Arts in Education

Faculty: Jack Furbee, Sara Spruce, Michael Vail, Harry Westfall, Donald A. Wood

Purpose

Elementary Education: The basic purpose of the program leading to the Master's degree with a major in Elementary Education is to augment the preparation of experienced elementary school teachers. There are areas in the preparation of almost every teacher that can be supplemented and strengthened. Expectancies relative to performance levels increase. Innovative practices of some merit are being proposed rather regularly.

The program at Olivet Nazarene College is designed to aid the experienced classroom teacher at the elementary level to be a better teacher through the strengthening of areas of specialization, through the gaining of a better understanding of the teacher's task, and/or through maintaining current contact with reported research results and with innovative practices that seem to show merit.

Secondary Education: The purposes of the program leading to the Master's degree with a major in Secondary Education are:

- (1) to recognize and foster scholarship through the media of post-baccalaureate instruction, seminars, and research;
- (2) to develop professional skills and competencies in a field of concentration;
- (3) to allow for the completion of selected professional credential programs;
- (4) to encourage the acquisition and development of thorough techniques of research;
- (5) to develop a deeper understanding of ethics and values from the Christian perspective;
- (6) to enable the graduate student to further his education, improve his ability to do critical thinking, and relate himself more effectively to other persons through programs of instruction leading to the Master of Arts in Education.

A Special Teacher in Reading emphasis is available in the graduate program for teachers.

Personnel Education: a Master of Arts in Education program for those whose roles with personnel in business, industry, hospitals or other organizations do not require state certification.

Special Requirements

All general requirements must be met. In addition, the following special requirements in Education must be fulfilled:

Undergraduate Preparation. Undergraduate preparation which approximates the teacher education program at Olivet and eligibility for a standard elementary teaching certificate or secondary subject matter teaching certificate are required for regular admission. Deficiencies, if they exist, must be removed by prescribed course work before regular admission is granted. Three years of successful elementary or secondary teaching experience and eligibility for the respective standard certificate may be used to clear part or all of the deficiencies in the undergraduate program requirement. This must be discussed with and approved by the Chairman, Division of Graduate Studies.

Admission. An official transcript of grades from each institution previously attended and the names of four references, one each from a professor and a

professional supervisor and two of which shall be character references, are to be submitted with the application for admission. If no graduate education course has been taken within one year, the student must contact the Chairman, Division of Graduate Studies, about readmission.

Admission as Degree Candidate. To qualify for admission to degree candidacy, the applicant must have taken and obtained a satisfactory score on the Graduate Record Examination, and approval by the Graduate Council of admission as degree candidate must be secured. A course of study must be approved by the Chairman, Division of Graduate Studies, prior to admission to candidacy. Currently, Olivet is a regional center for the G.R.E. administration in December and April. A local administration is available in June if demand is sufficient.

Residence. A student must fulfill a residence requirement by carrying at least a minimum full-time load in either one semester (9 hours) or one summer session (6 hours)

Degree. Degrees are awarded only at the commencement following the completion of all requirements. However, "all requirements completed" and the date are put on the permanent record card, and official certification is available when all requirements are completed.

Distribution of Curriculum Requirements

A total of 30 semester hours of credit with an average grade of B and with no more than six hours of C are required for the Master of Arts in Education. Distribution of the 30 hours shall be as follows:

| | |
|---|------------|
| Education Foundations (Education 610, 611, 615) | 9 hours |
| Education Majors | 12 hours** |

*either Elementary Education**

Education 620 and 9 hours selected from Education 520, 525, 526, 535, 561, 562, 576, 624, 626, 628, 672, 680, 690, 693, 695, 697, 699, or from subject matter courses approved by the adviser. One professionalized subject matter content course must be included in the 9 hours.

or Secondary Education Teaching Field

Courses are to be selected from Natural Science 520, 540, 560, 681, and any Science or Mathematics courses numbered 500-699. At least one course in each of two departments must be included.

or

Electives approved by Adviser

9 hours**

TOTAL 30 hours

Personnel Education Majors:

Education 610, 611, 615 and the course Adult Education. The selection of the other 18 hours will be at the option of the student in line with his objectives and career goals. This includes the hours pertinent to the Scholarly Option of a thesis, seminar, creative project or course papers. A total of 30 hours is required.

*The Elementary Education major requires 6 hours of non-education courses selected from among the following: 32-670, 52-673, 66-665, 13-667, 68-671.

**A Scholarly Paper Option of from 0-5 hours must be included in either the 12 or the electives.

Master of Arts in the Field of Religion

Faculty: William Dean, C. William Ellwanger, Kenneth Hendrick, George Lyons, Leslie Parrott, J. Ottis Sayes, Robert Smith, F. Franklyn Wise, William Woodruff

Objective

The Graduate Program, in harmony with Olivet Nazarene College and the Church of the Nazarene, has as its objective the training of students at the graduate level for service in the various ministries of the church.

In fulfillment of this objective, a curriculum is offered with the intent:

1. to assist the student in developing the skills for exegesis, interpretation, and theological understanding of the Bible and its implications for preaching and teaching.
2. to encourage the student to do competent research and writing in preparation for preaching and teaching.
3. to develop an appreciation for, and an understanding of, the history of theology in the classical Christian tradition.
4. to develop an appreciation for, and an understanding of, the history and polity of the Church of the Nazarene and its place within the Wesleyan and holiness tradition.
5. to acquaint the student with contemporary issues in Bible, theology and the mission of the church.
6. to enlarge the student's awareness of the world and its implications for the church.
7. to help the student be more proficient in the total ministry of the church.
8. to aid some students in their preparation for ordination, especially in the Church of the Nazarene.

Special Requirements

All general requirements must be met. In addition, those seeking admission to the M.A. program in Religion must have completed at least a minor in Religion at the undergraduate level.

Curriculum Requirements

1. Core Courses

| | |
|------------------------|---------|
| Old Testament Theology | 3 hours |
| New Testament Theology | 3 hours |
| Research Methods | 2 hours |
| Seminar Paper | 1 hour |

2. Additional Departmental Offerings

At least one of these in each department must be a 600 level course.

| | |
|---------------------|-----------|
| Biblical Literature | 2 courses |
| Theology | 2 courses |
| Ministry | 2 courses |

3. World Perspective — 1 course selected from:

World Literature, World Mission, Holy Land Tour, Philosophic Systems of the World.

Course Descriptions

Courses numbered 500 to 599 are open to both senior and graduate students. Courses numbered 600 to 699 are open only to those who have been admitted to graduate study. Senior-graduates may register for 600 series courses.

Education

Education courses with numbers ending in 00-19 are special foundation courses, 20-39 are basically for elementary teachers, 40-59 are basically for secondary teachers, 60-79 are for both elementary and secondary, 80-90 are workshop or institute type courses, and 90-99 are independent study, scholarly options, or other advanced study type courses.

520 — History and Philosophy of Early Childhood Education. 3 hours. Examines current curriculum issues from philosophical, historical and theoretical perspectives. Fundamental ideas which have influenced early childhood programs will be studied. The course provides a review and analysis of research findings, experimentation and current trends in early childhood education.

525 — Diagnosis in Reading K-12. 3 hours. An overview of the basic principles, nature, causes and diagnoses of reading difficulties. Included in the course is information to help teachers translate diagnostic information of disabled readers into corrective methods for instructional practice. Other focal areas include: factors influencing a student's reading development, group and individual diagnosis, current research in identifying children with perceptual, visual, or auditory problems, and improvement of corrective reading skills. Prerequisite: Education 357.

526 — Instructional Methods of Early Childhood Curriculum. 3 hours. Explores the educational needs of young children through analysis of play, science, art, music, mathematics, language and pre-reading experiences. A further emphasis is placed on organization of balanced daily programs, planning and using materials of instruction, pupil evaluation, parent communication, classroom environment and needs of special children. Includes a three-week practicum in local pre-schools or day care centers.

535 — Current Trends in Mathematics for the Elementary School. 3 hours. Topics in the course will include the impact of Piagetian thinking and research, current trends in mathematics content and teaching techniques. Activities will include survey of current mathematics text series, development in use of math Piaget tasks, making an instructional aid

and selecting and/or developing activities or games for a learning center or topics.

561 — Statistics. 4 hours. This course is the same as Education and Mathematics 341. In addition to the computational problems assigned, graduate students will do some readings from educational journals. Some additional problems, particularly in probability, will be assigned to those taking the course for mathematics credit.

562 — Measurement and Evaluation. 3 hours. Review of the basic principles of measurement, practice in evaluation, administering and interpreting results of measures of achievement, general and special abilities, personality and interests. Individual projects in measurement and evaluation will include summarizing the evaluation procedures of special education procedures for the different areas of exceptionality, study of instruments used in assessing exceptional children, and working under the supervision of one special education teacher in a practicum experience during the semester.

576 — Survey of Exceptional Children. 3 hours. An overview of exceptionality; gifted, health impaired, mentally retarded, physically impaired, socially maladjusted, learning disability, and emotionally disturbed. These will all be studied. The psychology of exceptionality will be used as a basis for consideration of each area. Practitioners in these special education areas will make presentations from their respective field of expertise.

610 — Philosophy of Education. 3 hours. Identification of underlying philosophical problems in Education and use of philosophical method in working toward solutions of these problems. A study of leading theories of education to illustrate philosophic method and to assist the student in developing a personal philosophy of education in a Christian setting.

611 — Methods of Educational Research. 3 hours. Critical analysis of reported research. Basic methods of research: historical, normative, and experimental. Practice in choosing a research problem; designing a study; collecting and interpreting data; and reporting research.

615 — Advanced Educational Psychology. 3 hours. Theory and applications in human learning, including reference to such topics as activity, attention and reinforcement, types of learning, recall, extinction, forgetting and relearning, transfer of training; ability in relation to programmed learning; measurement; human relations in education. A brief overview of development and some attention to individual differences.

620 — Modern Trends in Elementary Education. 3 hours. A study of innovations and research in elementary education. An attempt to evaluate and improve the learning experiences in today's elementary schools.

623 — Remediation in Reading K-12. 3 hours. Appraisal of reading difficulties, with emphasis on administration and interpretation of various diagnostic reading tests; treatment of reading problems.

626 — Seminar on Elementary Curriculum. 3 hours. Basic principles relative to patterns of elementary school curricula and criteria for their evaluation; a study of approaches for initiating and implementing curricular change.

628 — Clinical Reading Practicum. 1-4 hours. Activities will include critical analysis of reading research reports; surveying tests in Buros-Reading Tests in Print; proficiency in the knowledge and selection of tests and their use; administer tests to students; collect, analyze and interpret data; prescribe reading instruction; and evaluate results. Prerequisite: Educ. 624.

640 — Current Innovative Practices and Thoughts in Secondary Education. Study of basic concepts, modern developments and research which might serve to improve learning experiences in today's secondary schools.

663 — Adult Education. 3 hours. An exploration in group learning, with attention focused on the history, status and trends in adult learning programs. A study of maturity concepts, psychological problems, physical conditions and mental abilities of the adult.

672 — Instructional Media. 3 hours. Selection, evaluation, and use of various audio-visual and other sensory materials and techniques; a broad overview of the instructional media field, including materials and equipment.

680 — Workshops and Institutes with Graduate Credit Option. Hours Arranged.

690 — Independent Study. 1 hour. Special topics, not ordinarily covered in or listed courses, proposed by the graduate student and approved by the Graduate Council and the Academic Dean.

693 — Three Course Papers. 0-1 hour. See Scholarly Paper Option D. To earn 1 credit the 3 papers must be merged into chapters of one coherent scholarly paper. The student taking this course usually meets with Education 611 or 697.

695 — Creative Project. 2-3 hours. See Scholarly Paper Option C. The creative project represents a prepared report of a creative solution to some problem in Education. The report is basically a description of the solution preceded by a statement of the need and the rationale for the project and followed by an evaluation and/or procedure for evaluating the project. The student taking the course usually meets with Education 611 or 697.

697 — Research Seminar. 2-3 hours. A seminar course in which a student presents and defends by research a position. Scholarly Paper Option B.

699 — Thesis. 3-5 hours. Credit given upon completion and acceptance of a thesis. The student taking this course makes progress reports in the Education 611 or 697 class. Scholarly Paper Option A.

Religion Core

597 — Research Methods and Bibliography. 2 hours. A survey of the principal methods of research employed in the study of religion and the use of the library. Each student will be guided in the selection and compilation of a bibliography to be used in research projects. The Thesis or Research paper is usually begun in this course.

601 — Old Testament Theology. 3 hours. A core graduate course surveying the Old Testament from the standpoint of its theological teaching from both an Exegetical and a Theological perspective. Emphasis is laid upon God, man, sin, salvation, the messianic hope, and the idea of holiness and ethics as seen in the various epochs and types of literature, and its progress in the understanding of these doctrines.

602 — New Testament Theology. 3 hours. A core course surveying the basic doctrines of the New Testament from both an Exegetical and Theological perspective. Special emphasis is placed upon Pauline and Johannine Theology, the doctrines of God as Creator and Redeemer. The atonement of Christ, the new life in Christ, the nature of the church, and the Christian hope are explored.

603 — World Missions. 3 hours. A study of the history, administration, and problems of missionary activity in its world-wide aspect. Special thought will be given to the Department of Home and World Missions. Audio-visual aids of mission fields will be used.

698 — Research Paper. 1 hour. 1 hour of credit is given for the acceptance and completion of a research paper begun in 597.

699 — Thesis. 4 hours. 4 hours credit given upon completion and acceptance of a thesis.

Biblical Literature

571 — Pentateuch. 3 hours. A study of the historical background and development of the Hebrew people as found in Genesis, Exodus, Leviticus, Numbers, Deuteronomy. Special attention is given to the Mosaic legislation and the establishment of the Jewish nation.

573 — Synoptic Gospels. 3 hours. A study of the life and teachings of Jesus based on a com-

parative examination of the first three gospels in English translation. Attention is given to the particular perspective and distinctive features of Matthew, Mark and Luke.

574 — Johannine Literature. 3 hours. An exegetical study in the gospel and epistles of John and The Revelation in English translation.

575 — Old Testament Historical Books. 3 hours. An exegetical study of the history of Israel from the conquest through the post-exilic period as reflected in the books of Joshua, Judges, 1 and 2 Samuel, 1 and 2 Kings, 1 and 2 Chronicles, Ezra, Nehemiah and Esther.

651 — Biblical Introduction. 3 hours. An introduction to advanced Bible Study. The critical problems of the canon and text are considered. This leads to a discussion of the composition, authorship, date, and purpose of each book.

652 — Biblical Interpretation. 3 hours. The historical development of hermeneutics is explored. The principles of sound Biblical Interpretation are carefully studied and applied to the exegesis of selected portions from both the Old and New Testaments. The grammatical, historical, and theological methods are stressed.

653 — Biblical Archaeology. 3 hours. A study of the outstanding achievements of archaeology and their bearing on the historicity and integrity of the Bible. Particular emphasis will be laid on the recent discoveries in Palestine and the new techniques being employed. Several short papers will be required.

655 — Seminar in Biblical Studies. 3 hours. Some exegetical studies of particular subjects with a particular emphasis such as Biblical Ethics, Advanced Apostolic History, and teaching Holiness in the Pauline Epistles. A new emphasis will be given each time the course is offered. May be repeated for credit.

Theology — Doctrine

651 — History of Christian Thought. 3 hours. An analytical examination of philosophical backgrounds and developing theological concepts of the Patristic Period.

652 — History of Christian Thought. 3 hours. A critical examination of the thought of the major Protestant reformers, followed by a study of the development of the Pietistic and Wesleyan traditions.

655 — Wesleyan Theology. 3 hours. A study of the life and thought of John Wesley and his contemporaries with special emphasis upon those doctrines which are distinctively Wesleyan: the witness of the Spirit, and Christian perfection.

660 — Doctrine of Man and Sin. 3 hours. A

study of the pre-fallen, fallen, and post-fallen man from the standpoint of the Christian religion, with special emphasis upon the nature of sin and evil in which man finds himself.

661 — The Person and Work of Christ. 3 hours. An examination of Christology from both the standpoint of Scripture and Theological interpretation. A thorough-going inquiry into the various doctrines of the atonement and an examination of the role of the Theanthropic Person in the redemption of a fallen world.

669 — Doctrine of God. 3 hours. Concepts of God surveyed in the works of some of the following: (a) Plato, Aristotle, Augustine, Aquinas, Descartes, Leibniz and Spinoza; (b) Locke, Berkeley, and Hume; (c) Whitehead, Dewey, Ames and Farley; (d) Niebuhr, Tillich, Heim, Hartshome and Wieman; (e) Brightman, Knudson, Wiley and Curtis.

Theology — Ministry

551 — History and Philosophy of Religious Education. 3 hours. The history of religious education as seen in the Old and New Testaments, church history, and modern time. An interpretation of the philosophy and significance of religious education in the growth and development of the Christian religion. Current major theories of religious and secular education compared with Scriptural principles, formulation of a personal philosophy of religious education.

571 — History and Polity of the Church of the Nazarene. 3 hours. A survey of the major types of evangelical church polity in their historical development, will lead to an exhaustive study of the *Manual* of the Church of the Nazarene. The history of the denomination will be carefully surveyed.

671 — Advanced Expository Preaching. 3 hours. A study of great expository sermons, and the building and preaching of expository sermons in class. Efforts will be made to utilize videotape for self-improvement.

673 — Religious Leadership. 3 hours. A study of the definition, principles, and qualities of leadership. Biographies of great leaders of the Bible and great religious leaders of church history, churchmen, evangelists, and missionaries, will be studied. Group dynamics, enlistment, and development of leaders will be considered.

675 — Seminar in Practical Theology. 3 hours. A study of the minister and his ministry. This course will include practical pastoral theology, ethics, and general problems as they relate to Christian ministry as now defined in its largest concept to include all forms of ministry.

677 — Seminar in Christian Education. 3 hours. A seminar designed to cover the needs and interests of the advanced student in Christian education. Curriculum, methods, media, administration on an advanced level will be considered. The problems of church, school and society may be included.

Other Subject Matter Fields

Art 665 — Recent Trends in Art Education. 3 hours. A study of trends and issues relating to art in the school program. An exploration of art media and the function of art in the school.

English 670 — World Literature. 3 hours. A study of the rise of romanticism in Europe, stressing the works of Rousseau, Hugo, Goethe, Schiller, Kant, Schopenhauer, and Wagner, followed by an investigation of the nature and rise of realism and Russian literature, emphasizing the work of comparable men.

Geology 512 — Geology of Illinois. 3 hours. A study of the landscape, structure, mineral and water resources, environmental problems and hazards, rocks, minerals, fossils and geologic history of Illinois. Short field trips. No prerequisites. A paper is required. Offered in alternate years.

Philosophy 673 — Philosophic Systems of the World. 3 hours. A survey of the philosophical systems of India, China, and the Western civilizations. Comparisons will be made pointing out similarities and differences in an attempt to understand the principles underlying these philosophies. Basic assumptions and presuppositions will be analyzed and evaluated. The Christian philosophy will be stressed.

Political Science 665 — Problems in International Relations. 3 hours. Selected subjects such as theories of international relations, nationalism, the nuclear revolution, underdeveloped nations, international morality, and the United Nations examined. On occasion, certain regional problems will also be included.

Psychology 667 — Personality Fulfillment and Ills. 3 hours. The study of personality: its nature and development and its dynamics. It will focus primarily on the dynamics of normal behavior — integration, adjustment mechanisms, motivation, and mental health. Psychological pathology will be treated briefly, along with some contemporary diagnostic and treatment methods. Depth studies will be conducted by the students in specific areas, affording opportunity for research and writing.

Science (Interdisciplinary) 520 — Oceanography. 3 hours. The oceans: their physical, chemical, biological, and geological characteristics, with a discussion of their history.

Science (Interdisciplinary) 540 — Paleontology. 4 hours. A study of ancient life as revealed in the fossil record: invertebrates, vertebrates, plant and man. Taxonomy, paleoecology, and environmental interpretation will all receive emphasis. Field trips. Prerequisite: a course in Biology or Geology.

Science (Interdisciplinary) 560 — Topics in Environmental Science. 3-4 hours. An interdisciplinary approach to man's environment, emphasizing chemical, physical, biological and geological solutions for problems such as air, water, and solid waste pollution, urban development, natural resource depletion, recycling. Field trips.

Science (Interdisciplinary) 680 — Elementary Science Workshop: ESS.

Science (Interdisciplinary) 685 — Elementary Science Curriculum: ESS.

Science (Interdisciplinary) 686 — Elementary Science Supervision.

Science (Interdisciplinary or Departmental) 690 — Independent Study. 1 hour.

Science (Interdisciplinary) 698 — Research Paper. 1 hour. Oral presentation and defense of a research paper.

Science (Interdisciplinary or Departmental) 693, 695, 697, 699 — Scholarly Paper Options. 0-5 hours. Same as Education 693, 695, 697, 699 except in Science departments.

Science (Biology) 646 — Topics in Biology. 1-4 hours. 2 general types of topics are included — subject matter areas needed to strengthen the teacher's background, and recent problems and developments in biology. The lectures, laboratories, papers, and projects are especially suited to the needs of teachers. May be repeated.

Science (Chemistry) 646 — Topics in Chemistry. For description see Biology 646.

Science (Earth and Space Science) 646 — Topics in Earth Science. For description see Biology 646.

Science (Mathematics) 646 — Topics in Mathematics. For description see Biology 646.
Science (Mathematics) 650 — Current Trends in Mathematics Education. 3 hours.

Science (Physics) 646 — Topics in Physics. For description see Biology 646.

Sociology 671 — Approaches to Community Analysis. 3 hours. A survey and analysis of community organizations and function. The forces, resources, problems, institutions, and groups of significance are considered. Attention is directed to the overall social structure and function of the community as it is affected by the existing economic, political, religious, educational and ethnic influences.

The Division of Continuing Education was organized to serve those members of the college clientele who are not in the typical 18-22 age group or whose educational needs are different from those for which the traditional baccalaureate or graduate degree programs were designed.

The division works closely with the Dean of the College and the Director of Graduate Studies in matters related to credit courses and faculty assignments.

Church and Community Needs

The college seeks to meet needs of the supporting denomination and of the community (especially Kankakee County) when the programs and resources of the college can be made available.

Olivet Nazarene College and Kankakee Community College cooperate in surveys of these needs and in providing the educational programs that are in demand. Olivet has primary responsibility for the upper division and graduate course needs.

Courses on campus are offered in early morning, late afternoon and evening time periods with these persons in mind. Both undergraduate and graduate courses are made available and advertised to serve this clientele. From time to time, such courses may be offered in public schools, churches, or places of business if that arrangement is more feasible. With very few exceptions, these courses are for college credit, and requirements are equivalent to the regular course taken in residence at Olivet.

The Institute for Church Management

This continuing education program is intended to provide training in church management for pastors with experience in the pastoral ministry. The institute will create a fellowship of learning experiences for pastors in an academic setting in which they may analyze the interrelationship between normative theological training and practical managerial techniques.

Three seminars a year will be offered on campus in September, January and May in which the pastors will have concentrated studies with a variety of expert speakers. The week will include fifty hours of classes and discussion groups.

Work relating to these seminars will be assigned for home study between the seminars. In addition, cluster interaction groups will meet in convenient locations with one or more professors as group leaders. The cluster group is designed to review the interim work and discuss relevant topics.

A minister seeking a master's degree is responsible for having a transcript of his undergraduate college work sent to Dr. Gary W. Streit, Director of Graduate Studies. A master's degree candidate must have a bachelor's degree from an accredited college or university, with a minimum of 16 hours in religion. Those who do not meet these criteria may be reviewed by the Graduate Council and enrolled under conditional or probational status.

The minister may earn either a certificate of credit, or fulfill requirements for the Master of Church Management degree. The curriculum for the

master's degree includes eight seminars on campus with interim work for 24 hours of credit, a four-hour credit special project, and two credit hours for readings and research.

Additional information is published by the Director of the Institute for Church Management at Olivet, Dr. Joseph Nielson, under the Division of Continuing Education.

Courses — 3 hours each

501 — Preaching That Communicates. How to motivate the local congregation through preaching that communicates effectively. Preaching skills relating communication theory, media utilization, sermon styles and types, audience awareness and delivery methods are blended into the pulpit ministry. Opportunity for video and audio tape recorded preaching are evaluated by knowledgeable and experienced professors.

502 — Group Dynamics. Principles of working with multiple groups. Group dynamics is analyzed in-depth as church policy groups, leadership, timing, psychology of groups, church grouping, and reference group theory are interrelated. Social networks, neurotics, power structures, and special interests of ministers are given time for discussion.

503 — Church and the Family. The concept of a family church. All the facets of family living as they relate to the church are analyzed. Premarital counseling, crisis intervention, church growth through a family church concept, and the role of children are considered. The pastor's role as a family leader in his own home is addressed extensively.

504 — Pastor and Church Finances. The pastor's personal finances and church financing are both considered. Financing the church is approached through resource people from business firms, financial institutions, pastors

and administrators. Trends in the economy, long-range financing, and building programs are covered. Time is devoted to the pastor's personal life-long financing in preparation for retirement. Investment guidelines are also studied.

505 — Renewing the Spirit of Revival. Outstanding pastors, evangelists and church workers from different environmental backgrounds discuss the spirit of revival and how to keep the revival spirit as a viable part of the church program.

506 — Self Development. The pastor's personal growth and development. The personal life of the pastor is examined as he interrelates the various demands of the ministry on his time, family, spirit, emotions, preaching and life-style.

507 — Multiple Groups. Mobilizing resources of the local congregation for service. Motivational principles are examined. Ways to organize the talents and potentials in the local church are explored. Developing a "team" approach or organizational pattern is discussed fully.

508 — Expository Studies. Interpreting the authority of the Bible and its application to modern living. One week each year of the Institute is devoted to a concentrated study of a scriptural passage. The biblical passage is analyzed as to authorship, setting, interpretation, preaching content, biblical cross-reference and devotional applications.



Dr. Michael Vail, director of instructional media services, demonstrates the use of various types of projectors, audio and video recorders and cameras to a class of graduate students.



Aerial view of the Olivet campus, looking east. Most of the area inside the dark border is part of the 160-acre Olivet campus or College Church of the Nazarene area (lower right). See the last page of the Catalog for a detailed map of the campus.



The Olivet Board of Trustees posed for this photo during their October 1984 meeting. The front row includes the Olivet administrative team and the officers of the Board.

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Jasper, Indiana

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President

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and Dean of the College*

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Vice President for Development

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Business Manager

GROVER BROOKS, M.A.
Dean of Students

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*Director of Funds for Scholarships
and Expansion; Alumni Association*

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Director of the Library

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*Assistant Dean of Instruction,
Registrar and Director of
Institutional Research*

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*Assistant to the Academic
Vice President*

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Director of Publicity

PAT DUNCAN
Director of Financial Aid

EUGENE HARTNESS, B.A.
Director of Student Accounts, Bursar

WALTER BARTHOLOMEW, M.S.Ed.
Associate Director of Development

JOHN MONGERSON, B.A.
Director of Admissions

BRIAN ALLEN, B.A.
Admissions Counselor

DAVID HAYES, M.A.
Admissions Counselor

MICHELLE TINGLEY, B.S.
Admissions Counselor

College Commissions, 1985

Academic Affairs

David Kale, Chairman; Willis Snowbarger, Executive Secretary; Harlow Hopkins, Joseph Nielson, Max Reams, J. Ottis Sayes, Harry Westfall, Albertta David, Jim Knight, Allan Wiens, Kenneth Armstrong, Jack Furbee, Gordon Wickersham and three student representatives.

Constituency Relations

C. William Ellwanger, Chairman; Ted Lee, Executive Secretary; John Mongerson, Gordon Wickersham, Franklyn Wise, George Dunbar, Larry Ferren, Don Toland, Brian Allen and three student representatives.

Student Life

John Hawthorne, Chairman; Grover Brooks, Executive Secretary; Larry Reinhart, James Legacy, Deborah Bembry, Donna Furbee, Beverly Lee, Loramae Rentfro, Deane White and three student representatives.

Campus Management

Phil Richardson, Chairman; Douglas Perry, Executive Secretary; Pat Duncan, James Tripp, Donald Keck, Gene Hartness, Gordon Wickersham, Grover Brooks, Ruth Tomaschke, Harvey Collins, Carolyn Sechrist, Dennis Seymour and three student representatives.

Steering Committee 1985-87

Willis Snowbarger, Chairman; Leslie Parrott, Douglas Perry, Ted R. Lee, Grover Brooks, Kathryn Van Fossan, C. William Ellwanger, Gene Shea, M. Deane White, Alice Edwards, Stephen Taylor, Susan Hobbs, David Kale, John Hawthorne, Philip Richardson, Walter Bartholomew, and one student representative.

Faculty Emeriti

- HAROLD W. REED (1949-1975)
President Emeritus of the College
 B.A., M.S., Th.D., D.D., LL.D.
- T.W. WILLINGHAM (1926-1937)
President Emeritus of the College
 B.A., B.D., D.D.
- EARL E. BARRETT (1954-1966)
Assistant Professor of Philosophy Emeritus
 B.A., B.D., S.T.M., S.T.D., M.A., Ph.D.
- FOREST T. BENNER (1964-1981)
Professor of Theology Emeritus
 B.S., S.T.B., Th.M., Ph.D.
- HARRIET ARNESON DEMARAY (1952-1973)
Assistant Professor of English Emerita
 B.A., M.A.
- FLOYD B. DUNN (1958-1972)
Assistant Professor of Education Emeritus
 B.A., M.S.
- CLARENCE E. GROTHAUS (1952-1979)
Professor of Chemistry Emeritus
 B.A., M.A., Ph.D.
- JEWELL GROTHAUS (1948-1981)
Assistant Professor of Violin Emerita
 B.Mus., B.S., M.Mus.Ed
- VERNON T. GROVES (1955-1977)
Professor of Education Emeritus
 B.S., M.A., Ph.D.
- HARVEY HUMBLE (1946-1980)
Professor of History Emeritus
 B.A., M.A.
- OTHO JENNINGS (1964-1981)
Professor of Sociology Emeritus
 B.A., Th.B., M.A., M.Div., LL.D., Ed.D.
- GUNNELL JORDEN (1966-1982)
Assistant Professor of English Emerita
 B.A., M.A.
- NAOMI LARSEN (1935-1975)
Professor of Piano and Voice Emerita
 B.Mus., M.Mus., (piano), M. Mus. (voice)
- BILLIE J. MATHENY (1964-1980)
Professor of Education Emerita
 B.A., M.S., Ph.D.

- CARL S. MCCLAIN (1923-1972)
Professor of English Emeritus
 B.A., M.A., Litt.D.
- LOYD G. MITTEN (1944-1977)
Professor of Business Administration and Economics Emeritus
 B.S., M.S., Ph.D., C.L.U.
- RAY H. MOORE (1965-1983)
Associate Professor of Media Services Emeritus
 B.Mus., M.A., D.Mus.
- DWIGHT J. STRICKLER (1930-1979)
Professor of Biological Science Emeritus
 B.A., M.S., D.Sc.

Library Faculty

- ALLAN L. WIENS (1967)
Associate Professor of Library Science; Director of Library
 Th.B., 1954, Canadian Nazarene College
 B.D., 1959, Nazarene Theological Seminary
 B.A., 1965, Seattle Pacific College
 M.Lib.S., 1966, Western Michigan University
 University of Illinois
- LYNETTE M. CHRISTENSEN (1983)
Assistant Professor, Reference/Catalog Librarian
 B.S., 1977, University of South Dakota
 M.A., 1978, University of Denver
- RUTH E. TOMASCHKE (1983)
Assistant Professor, Reference Librarian
 B.A., 1982, Greenville College
 M.S., 1983, University of Illinois
- MICHAEL VAIL (1979)
Associate Professor of Instructional Media; Director of Instructional Resource Center
 B.A., 1972, Northwest Nazarene College
 M.Ed., 1976, University of Idaho
 Ph.D., 1979, University of Wisconsin
- STEPHEN VANCIEL (1977)
Assistant Professor of Media Services
 B.A., 1972, Pasadena College
 M.S., 1983, Illinois State University
- KATHRYN VAN FOSSAN (1980)
Assistant Professor; Head of Technical Services
 B.A., 1969, University of Illinois
 M.A., 1979, Illinois State University
 M.S., 1983, University of Illinois

Faculty Members

This alphabetical listing of members of the faculty gives reference to the department in which they teach, where a more complete listing of their positions and degrees is shown.

Gerald Anderson, *Music*
 Leonard Anderson, *Business*
 Kenneth Armstrong, *Business*
 David Atkinson, *Mathematics*
 Lois Barnett, *Nursing*
 William Beane, *Biology*
 William Bell, *Psychology*
 Deborah E. Bembrly, *Education*
 Lynette M. Christensen, *Library*
 Francine Clark, *Nursing*
 Richard Colling, *Biology*
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 Janice Holmes, *Nursing*
 Harlow Hopkins, *Music*
 Bill Isaacs, *History*
 David Kale, *Speech Communication*
 Charlotte Keck, *Nursing*
 Nancy Kendall, *Speech Communication*
 Jim Knight, *Psychology*
 Thomas Knowles, *Physical Education*
 Irving Kranich, *Music*
 Leora Legacy, *English*

George Lyons, *Biblical Literature*
 Shirlee A. McGuire, *English*
 Terry MacKay, *Business*
 Joanne Marquart, *Business*
 Timothy Nelson, *Music*
 Ivor Newsham, *Physics*
 Joseph Nielson, *Sociology*
 Joe M. Noble, *Music*
 Gladys Noguera, *Nursing*
 Keith O'Dell, *Mathematics*
 Leslie Parrott, *Theology*
 Brenda Patterson, *Physical Education*
 Lottie Phillips, *English*
 Steven Pusey, *History*
 Max Reams, *Geological Sciences*
 Phyllis Reeder, *Nursing*
 Larry Reinhart, *Religion*
 Loretta Reinhart, *Nursing*
 Loramae Rentfro, *Nursing*
 Kenneth Richardson, *Physical Education*
 J. Ottis Sayes, *Christian Education*
 Carolyn Sechrist, *Psychology*
 Gene Shea, *Business Accounting*
 Linda Shelton, *Home Economics*
 Robert Smith, *Theology*
 Willis E. Snowbarger, *History*
 Sara Spruce, *Education*
 Gary W. Streit, *English*
 Stephen Taylor, *Chemistry*
 James Thompson, *Art*
 Donald Toland, *Speech Communication*
 Ruth Tomaschke, *Library*
 Vicki Trylong, *Modern Language*
 Dixie Turner, *English*
 Larry D. Vail, *Mathematics*
 Michael Vail, *Instructional Media, Education*
 Marcus VanAmeringen, *Music*
 Stephen Vanciel, *Media Specialist*
 Kathryn Van Fossan, *Library*
 Larry Watson, *Physical Education*
 Harry Westfall, *Education*
 M. Deane White, *English*
 Rubalee Wickland, *Home Economics*
 Allan Wiens, *Library*
 Michael Wiese, *Business*
 John Williams, *Mathematics*
 Minnie Wills, *Modern Languages*
 F. Franklyn Wise, *Christian Education*
 Donald Wood, *Education*
 William Woodruff, *Biblical Literature*
 Robert Wright, *Biology*

Degree and Enrollment Statistics

Degrees Granted (July 1-June 30)

| | 1982 | 1983 | 1984 |
|-----------------------------|------|------|------|
| Associate of Arts | 36 | 38 | 48 |
| Bachelor of Arts | 137 | 150 | 123 |
| Bachelor of Science | 190 | 226 | 176 |
| Bachelor of Theology | 7 | 7 | 4 |
| Master of Arts | 6 | 13 | 8 |
| Master of Arts in Education | 4 | 3 | 0 |
| Master of Church Management | 1 | 1 | 1 |
| Total | 381 | 438 | 360 |

Fall Enrollment Statistics

| | 1982 | 1983 | 1984 |
|---|-------|-------|-------|
| College | | | |
| Freshmen | 534 | 497 | 498 |
| Sophomores | 410 | 401 | 412 |
| Juniors | 403 | 362 | 354 |
| Seniors | 375 | 342 | 311 |
| Other Undergraduates | 161 | 141 | 128 |
| Graduate | 55 | 58 | 68 |
| Total Enrolled | 1,938 | 1,801 | 1,771 |
| Equivalent full-time students (15 semester hour load) | 1,744 | 1,668 | 1,642 |

Student Credit Hours by Division

| | Fall, 1982 | Fall, 1983 | Fall, 1984 |
|----------------------------|------------|------------|------------|
| Education and Psychology | 4,191 | 3,628 | 3,337.5 |
| Nursing | 1,044 | 792 | 1,015 |
| Fine Arts | 2,060 | 1,823 | 1,859 |
| Languages and Literature | 4,322 | 4,197 | 4,199 |
| Natural Sciences | 5,312 | 5,221 | 4,987 |
| Religion and Philosophy | 3,879 | 3,694 | 3,642 |
| Social Sciences | 4,587 | 4,904 | 4,712 |
| Graduate | 218 | 225 | 329 |
| General Studies | 541 | 534 | 556 |
| Total Student-Credit Hours | 26,154 | 25,018 | 24,636.5 |



The Sophomore Class won an award for these decorative gold and purple banners which graced the front of Ludwig Center during Homecoming and other special events.

Index

- Absences* 56
- Academic Regulations* 53
- Accounting* 155
- Accounts, Adjustment of* 41
- Accreditation* 14
- Administrative Officers* 185
- Admission Requirements* 29
 - From High School* 30, 33
 - By G.E.D. Examination* 31
 - Transfer Students* 32, 34
 - To Junior Standing* 55
 - To Teacher Education* 69
 - To Nursing Major* 91
 - To Graduate Work* 169
- Advanced Placement* 35
- American College Test* 31, 33
- American Studies Program* 150
- Anthropology* 164
- Applied Music* 102
- Art* 96
- Artist/Lecture Series* 28
- Assistantships* 60
- Associate of Arts Degree* 17
- Athletic Organizations* 25, 26
- Attendance Requirements* 56
- Auditing a Course* 57
- Automobiles, Use of* 28

- Bachelor's Degree Programs*
 - B.A., B.S., Th.B.* 18, 19
- Biblical Literature* 141
- Biochemistry* 117
- Biological Sciences* 122
- Biophysics* 117
- Board of Trustees* 184
- Botany* 122
- Broadcasting* 96, 113
- Buildings and Grounds* 12
- Business Administration* 151

- Calendar, College* 15
- Campus Facilities* 12
- Campus Life, Philosophy* 23
- Career Planning* 7, 22
- Change of Courses* 41, 54
- Chapel Attendance* 26
- Chemical Physics* 117
- Chemistry* 127
- Choirs* 25, 105
- Christian Education* 144
- Christian Workers* 25
- Church History* 147
- Church Music* 100, 104
- Church Management* 181
- Class Attendance* 56
- Classification of Students* 55
- CLEP Test* 35
- Clubs, Departmental* 25
- College Commissions* 185
- Communication* 113
- Computer Science* 131
- Continuing Education* 181
- Council, Student* 25
- Counseling, Psychology* 83
- Counseling Service* 22

- Courses of Instruction* 7, 73
- Course Numbering System* 73
- Credit, Application for* 40

- Degrees Granted* 188
- Degrees Offered* 18, 19
- Department Honors* 60
- Departments of Study* 7, 74
- Dietetics* 121
- Directed Study* 59
- Dropping a Course* 41, 54

- Early Childhood Education* 68
- Earth and Space Sciences* 129
- Ecology* 117
- Economics* 156
- Education* 64, 78
- Eligibility* 58
- Employment, Student* 51, 54
- Engineering* 118, 137
- English* 108
- Enrollment Statistics* 188
- Entrance Requirements* 29
- Essentials of Learning* 32, 75
- Examinations*
 - Entrance* 31
 - Proficiency* 35, 61
- Expenses, General* 38

- Faculty* 186
- Family Services* 160
- Fashion Merchandising* 160
- Fees, Special* 39
- Fees, Laboratory* 39
- Fees, Music* 38
- Financial Aids* 42, 59
- Financial Information* 36
- Finance, Business* 151
- Fine Arts* 96
- Food Science* 121, 160
- Food Service Management* 162
- Foreign Languages* 110
- French* 111
- Freshman Orientation* 23

- General Education Requirements* 15, 16
- General Science* 117
- General Studies Major* 18
- General Studies Courses* 74
- Geochemistry* 117, 129
- Geography* 166
- Geological Sciences* 129
- Geophysics* 117, 136
- German* 113
- Government and Discipline* 23, 24
- Government* 150, 157
- Grading System* 56
- Graduate Study in Education* 167, 174
- Graduate Study in Religion* 167, 176
- Graduation With Honors* 60
- Graduation Requirements* 16, 20, 61
 - General Requirements* 15
 - Associate of Arts* 17
 - Bachelor of Arts* 20
 - Bachelor of Science* 20
 - Bachelor of Theology* 20

Master of Arts 167
Master of Arts in Education 167, 174
Grants-in-Aid 49
Greek 113
Guidance & Counseling 22

Health Education 87
Health Sciences 119
History of the College 12
History 157
Home Economics 160
Honors Courses 59
Honors, Graduation With 60, 61
Honor Society 60
Honor Points 57

Incompletes 57
Ineligibility 58
Institutional Objectives 11
Instrumental Music 102
Interdisciplinary Major 18, 117

Journalism 109, 114
Junior Standing 55

Languages 110
Law, Pre- 20
Lecture Series 28
Library 13
Library Science 82
Literature, English 108
Loan Funds 51
Location of Campus 13

Majors Offered 18, 19
Management, Marketing 151
Master of Arts in Education 167, 174
Master of Arts in Religion 167, 176
Mathematics 131
Medical, Pre- 20, 119
Medical Technology 120
Ministerial Certificate Program 148
Motor Vehicles, Use of 28
Music Department 97
Music, Church 100, 104
Music Education 68, 99, 104
Music Literature and History 105
Music Performance 100
Musical Organizations 25, 105
Music, Student Regulations 98
Music Theory 106

Natural Science 116, 122
Nursing Education 90
Nutrition 121, 160

Objectives, Institutional 11
Office Administration 152
Organ 101
Organizations, Student 24
Orientation for New Students 23

Payment, Methods of 40
Personnel Directory 183
Phi Delta Lambda Honor Society 60
Philosophy 142
Physical Education 85

Physical Science 117
Physical Therapy 86
Physics 136
Piano 101
Political Science 157, 159
Pre-Professional Study Programs 20
Probation 58
Proficiency Examinations 35, 62
Programs of Study 19, 74
Psychology 82
Public Speaking 113
Publications, Student 25
Purposes 9

Radio and Television 96, 113
Registration Procedure 54
Religion 139
Religious Activities Organizations 25
Religious Education 144
Residence Associations 25
Residence Requirements
 Undergraduate 61
 Graduate 172
Retention 58
Room and Board 23, 38, 40
ROTC 75
Rules of Conduct 23

Salvation Army 21
Scholarship Requirements 56
Scholarships and Student Aids 42
Science, Natural 116, 122
Science Technology 119
Secondary Education 65
Secretarial Science 152
Senior Citizenship Award 61
Social Sciences 149
Sociology, Social Welfare 164
Spanish 112
Special Topics 59
Speech Communication 113
Sports 25, 85
Student Activities 24
Student Government 24
Student Life 22
Student Responsibility 4, 61, 168
Student Teaching 70
Summer School 62
Superior Students, Privileges
 Open to 59

Teacher Certificates 71
Teacher Placement 72
Teaching, Preparation for 64, 78
Technology, Science 119
Theology 146
Theological Certificate Course 148
Transcripts 63
Transfer Students 32, 34
Tuition, Fees 38
Two Year Programs — See
 Associate of Arts 17

Voice 102
Withdrawals 41, 54

Zoology 122

Notes



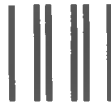
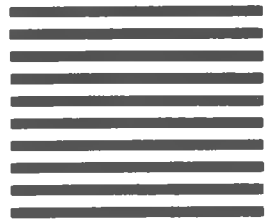
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Director of Admissions
Kankakee, Illinois 60901-9980



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FIRST CLASS PERMIT 109 KANKAKEE, ILLINOIS 60901

POSTAGE WILL BE PAID BY ADDRESSEE

Olivet Nazarene College
Director of Admissions
Kankakee, Illinois 60901-9980



Yes! I want to know more about Olivet Nazarene College.

Please send me: ☐ Application for Admission ☐ Financial Aid Information

My Intended Major (Vocational Goal) _____

I am interested in: (Write 1, 2, 3, 4 if you have more than one interest)

- | | | |
|--|---|---|
| <input type="checkbox"/> Accounting | <input type="checkbox"/> Family Services | <input type="checkbox"/> Physics |
| <input type="checkbox"/> Art | <input type="checkbox"/> Fashion Merchandising | <input type="checkbox"/> Pre-Dental |
| <input type="checkbox"/> Biblical Literature | <input type="checkbox"/> Finance | <input type="checkbox"/> Pre-Law |
| <input type="checkbox"/> Biology, Botany | <input type="checkbox"/> Geology | <input type="checkbox"/> Pre-Medical |
| <input type="checkbox"/> Broadcasting | <input type="checkbox"/> History, Political Science | <input type="checkbox"/> Pre-Physical Therapy |
| <input type="checkbox"/> Business | <input type="checkbox"/> Home Economics | <input type="checkbox"/> Psychology |
| <input type="checkbox"/> Chemistry | <input type="checkbox"/> Journalism | <input type="checkbox"/> Religion, Philosophy |
| <input type="checkbox"/> Christian Education | <input type="checkbox"/> Languages | <input type="checkbox"/> R.O.T.C. |
| <input type="checkbox"/> Church Music | <input type="checkbox"/> Management, Marketing | <input type="checkbox"/> Secretarial Science |
| <input type="checkbox"/> Computer Science | <input type="checkbox"/> Mathematics | <input type="checkbox"/> Social Welfare |
| <input type="checkbox"/> Dietetics, Foods | <input type="checkbox"/> Medical Technology | <input type="checkbox"/> Sociology |
| <input type="checkbox"/> Economics | <input type="checkbox"/> Music | <input type="checkbox"/> Speech Communication |
| <input type="checkbox"/> Education | <input type="checkbox"/> Nursing | <input type="checkbox"/> Theology |
| <input type="checkbox"/> Engineering | <input type="checkbox"/> Office Administration | <input type="checkbox"/> Zoology |
| <input type="checkbox"/> English | <input type="checkbox"/> Physical Education | |

Please Print:

Miss _____
Mr. _____ Year of H.S. Graduation 19 _____

Address _____ Phone: () _____

City, State _____ ZIP _____

High School or College: _____

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College Calendar 1985-86

Summer Terms 1985

| | |
|-----------------|-------------|
| May 15-June 5 | Session I |
| June 10-June 28 | Session II |
| July 1-Aug. 2 | Session III |

Fall Semester 1985

| | |
|----------------|---|
| August 26 | Monday, Registration and Orientation for freshmen |
| August 27 | Tuesday, 7:30 a.m., classes begin |
| September 25 | Final day to drop Block I courses |
| October 7 | Fall break (Monday only classes will meet) |
| October 18-19 | Homecoming |
| October 22 | Tuesday, Mid-Semester (Block II courses begin) |
| November 5-10 | Fall Revival |
| November 19 | Final day to drop Block II courses |
| November 26 | Thanksgiving Holiday begins Tuesday at the close of classes |
| December 2 | Classes resume Monday, 7:30 a.m. |
| December 7-8 | Presentation of the "Messiah" |
| December 16-19 | Final Examinations |

Spring Semester 1986

| | |
|----------------|---|
| January 7 | Tuesday, Orientation of freshman and Registration for Spring Semester |
| January 8 | Wednesday, 7:30 a.m., classes begin |
| February 6 | Final day to drop Block III courses |
| February 16-23 | Spring Revival |
| February 27 | Thursday, Mid-Semester |
| February 27-28 | Winter Break |
| March 3 | Monday, Block IV courses begin |
| March 21 | Spring recess begins Friday at close of classes |
| March 31 | Monday, 7:30 a.m., Spring recess ends |
| April 18 | Final day to drop Block IV courses |
| April 18 | Celebrate Life Youth Conference (No classes) |
| May 6-9 | Final Examinations |
| May 10 | Commencement Concert |
| May 11 | Sunday 5:00 p.m., Baccalaureate Sermon |
| May 12 | Monday, 9:30 a.m., Commencement |

Summer Terms 1986

| | |
|----------------|-------------|
| May 14-June 4 | Session I |
| June 9-June 27 | Session II |
| June 30-Aug. 1 | Session III |

1985

| JANUARY | MAY | SEPTEMBER |
|----------------------|----------------------|----------------------|
| S M T W T F S | S M T W T F S | S M T W T F S |
| 1 2 3 4 5 | 1 2 3 4 | 1 2 3 4 5 6 7 |
| 6 7 8 9 10 11 12 | 5 6 7 8 9 10 11 | 8 9 10 11 12 13 14 |
| 13 14 15 16 17 18 19 | 12 13 14 15 16 17 18 | 15 16 17 18 19 20 21 |
| 20 21 22 23 24 25 26 | 19 20 21 22 23 24 25 | 22 23 24 25 26 27 28 |
| 27 28 29 30 31 | 26 27 28 29 30 31 | 29 30 |
| FEBRUARY | JUNE | OCTOBER |
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| 3 4 5 6 7 8 9 | 2 3 4 5 6 7 8 | 6 7 8 9 10 11 12 |
| 10 11 12 13 14 15 16 | 9 10 11 12 13 14 15 | 13 14 15 16 17 18 19 |
| 17 18 19 20 21 22 23 | 16 17 18 19 20 21 22 | 20 21 22 23 24 25 26 |
| 24 25 26 27 28 | 23 24 25 26 27 28 29 | 27 28 29 30 31 |
| | 30 | |
| MARCH | JULY | NOVEMBER |
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| 3 4 5 6 7 8 9 | 7 8 9 10 11 12 13 | 3 4 5 6 7 8 9 |
| 10 11 12 13 14 15 16 | 14 15 16 17 18 19 20 | 10 11 12 13 14 15 16 |
| 17 18 19 20 21 22 23 | 21 22 23 24 25 26 27 | 17 18 19 20 21 22 23 |
| 24 25 26 27 28 29 30 | 28 29 30 31 | 24 25 26 27 28 29 30 |
| 31 | | |
| APRIL | AUGUST | DECEMBER |
| 1 2 3 4 5 6 | 1 2 3 4 5 6 | 1 2 3 4 5 6 7 |
| 7 8 9 10 11 12 13 | 4 5 6 7 8 9 10 | 8 9 10 11 12 13 14 |
| 14 15 16 17 18 19 20 | 11 12 13 14 15 16 17 | 15 16 17 18 19 20 21 |
| 21 22 23 24 25 26 27 | 18 19 20 21 22 23 24 | 22 23 24 25 26 27 |
| 28 29 30 | 25 26 27 28 29 30 31 | 29 30 31 |

1986

| JANUARY | MAY | SEPTEMBER |
|----------------------|----------------------|----------------------|
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| 26 27 28 29 30 31 | 25 26 27 28 29 30 31 | 28 29 30 |
| FEBRUARY | JUNE | OCTOBER |
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| 16 17 18 19 20 21 22 | 22 23 24 25 26 27 28 | 19 20 21 22 23 24 25 |
| 23 24 25 26 27 28 | 29 30 | 26 27 28 29 30 31 |
| MARCH | JULY | NOVEMBER |
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| 23 24 25 26 27 28 29 | 27 28 29 30 31 | 23 24 25 26 27 28 29 |
| 30 31 | | 30 |
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| 1 2 3 4 5 | 1 2 | 1 2 3 4 5 6 |
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| 13 14 15 16 17 18 19 | 10 11 12 13 14 15 16 | 14 15 16 17 18 19 20 |
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| | 31 | |

